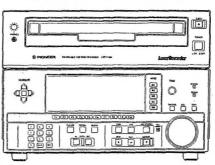
# (!) PIONEER

# Service



ORDER NO. RRV1007

REWRITABLE VIDEODISC RECORDER

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Туре	Model VDR-V1000A	Power Requirement	Remarks
KU/CA	0	AC120V	

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PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A. PIONEER ELECTRONICS OF CANADA, INC. 300 Allstate Parkway Markham, Ontario L3R 0P2 Canada PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
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# 1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

#### WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

#### NOTICE

#### (FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

#### REMARQUE

#### (POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible — (fusible de type rapide) et/ou — (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

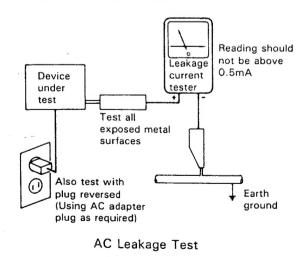
#### -(FOR USA MODEL ONLY)-

#### 1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

#### LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.



ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

#### 2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a  $\Delta$  on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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# 2. EXPLODED VIEWS AND PARTS LIST

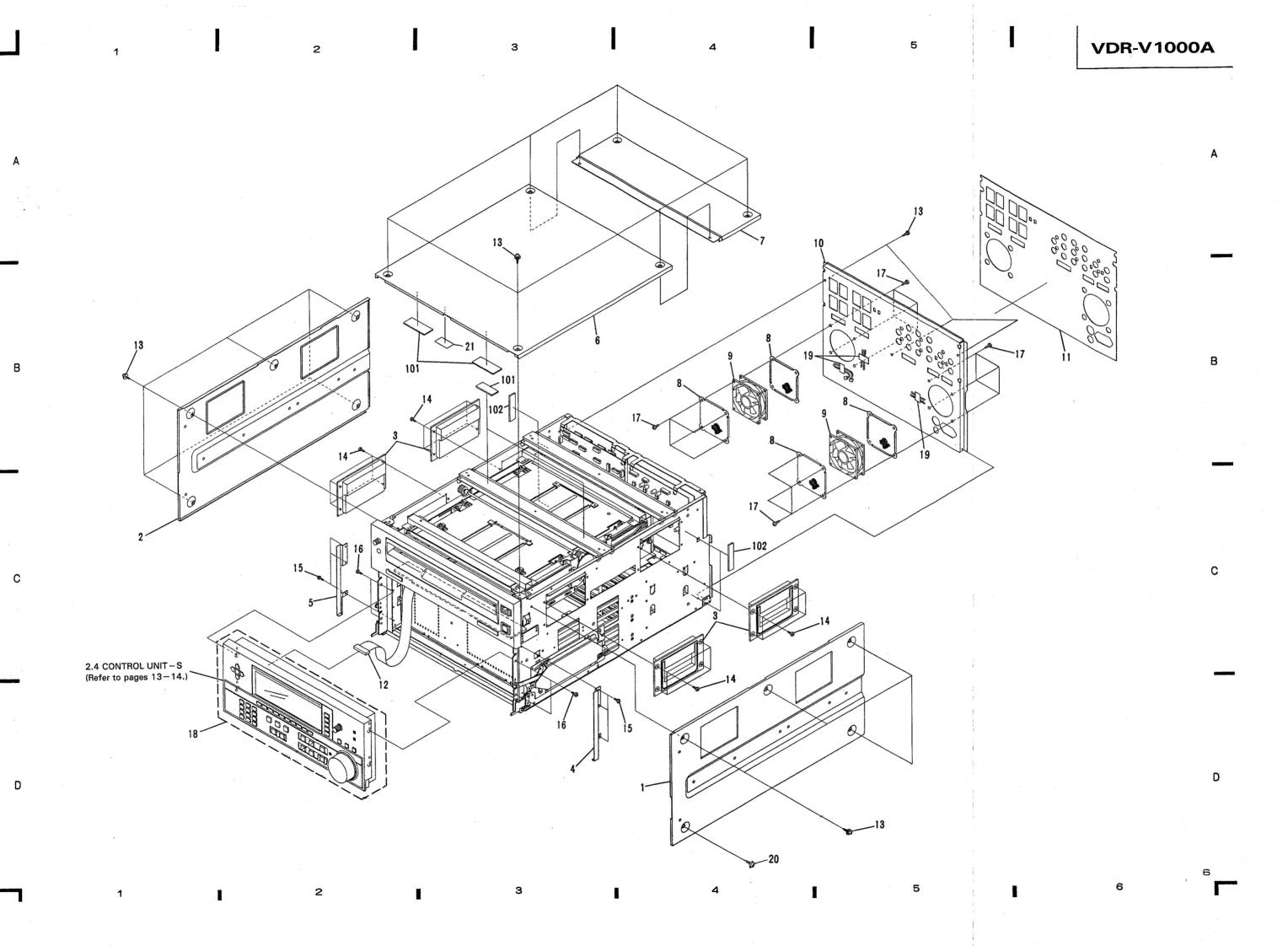
#### NOTES:

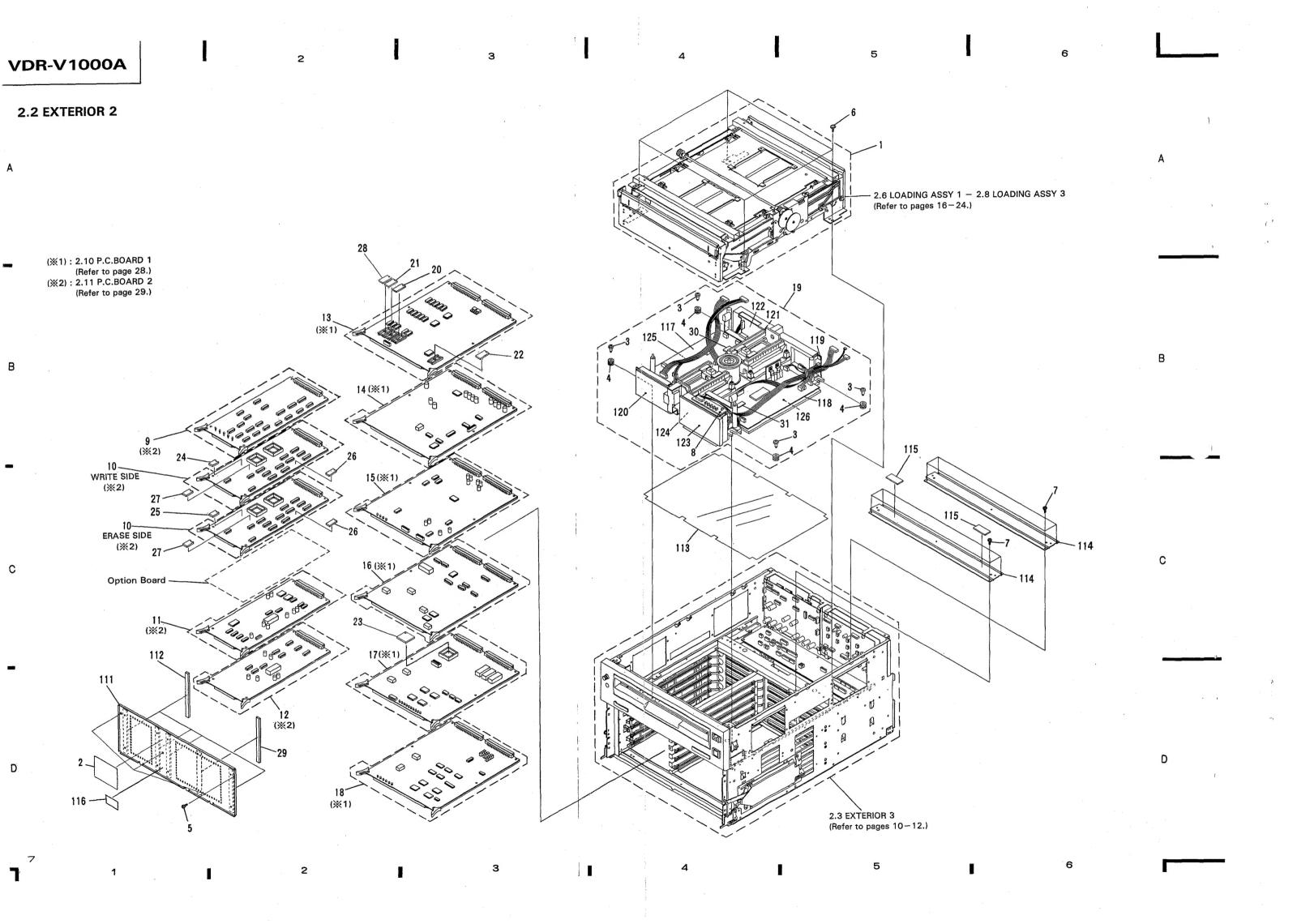
- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The 
   \( \triangle \) mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "©" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

#### 2.1 EXTERIOR 1

#### Parts List of Exterior 1

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	SIDE PANEL (R)	DNE1136	NSP	101	SPACER RUBBER	DEB1171
	$\frac{1}{2}$	SIDE PANEL (L)	DNE1137	NSP	102	SIDE SPACER	DEB1178
	3	HANDLE	DMX1003				
	4	FRONT STAY R	DNE1138				
	5	FRONT STAY L	DNE1139				
	6	TOP PANEL (A)	DNE1135				
	7	TOP PANEL (B)	DNE1140				
	8	FAN FILTER	DNH1548				
҈	9	FAN MOTER	DXM1048				
	10	REAR PANEL	DNC1183				
	11	REAR INDICATING SHEET	DAH1734				
	12	FRONT PANEL CONNECTOR Assy	DKP2157				
	13	SCREW	FMT40P060FZK				
	14	SCREW	BMZ40P080FMC				
	15	SCREW	BBZ30P050FZK				
	16	SCREW	AMZ30P060FZK				
	17	SCREW	PBZ50P100FZK				
lacksquare	18	CONTROL UNIT-S	DXX2137				
	19	SHEET	VEX1022				
	20	SCREW	BMZ40P100FZK				
	21	65 LABEL	ORW1069				





# Parts List of Exterior 2

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
•	1	LOADING MECHA Assy-S	DXX1784	NSP	111	COVER PLATE Assy	DXB1375
•	2	POSITION LABEL	DRW1314	NSP		STOPPER RUBBER	DEB1170
	3	FLOAT SCREW B	VBA1013	NSP		INSULATION SHEET	DEC1481
	4	FLOAT RUBBER A	VEB1095	NSP	114	BRIDGE	DND1096
	5	SCREW	FMT40P060FZK	NSP		SPACER RUBBER	DEB1171
	6	SCREW	PMB40P080FMC	NSP	116	CAREER LABEL	VRW-348
	7	SCREW	BBZ30P060FMC	NSP		SVAW Assy	DWP1035
	8	SENS Assy	DWX1217	NSP		SVAE Assy	DWP1036
lacksquare	9	SPDL UNIT-S	DWX1344	NSP	119	HE-W Assy	DWF1002
$\odot$	10	ADDC UNIT-S	DWX1428	NSP	120	HE-E Assy	DWF1003
•	11	VAR1 UNIT-S	DWX1369	NSP		APC1W Assy	DWP1031
$\odot$	12	VAR2 UNIT-S	DWX1347	NSP	122	APC2W Assy	DWP1032
$\odot$	13	MPU UNIT-S	DWX1339	NSP		APC1E Assy	DWP1033
$\odot$	14	AMOD UNIT-S	DWX1348	NSP	124	APC2E Assy	DWP1034
$\odot$	15	ADEM UNIT-S	DWX1340	NSP	125	DRVW Assy	DWP1037
•	16	VAPB UNIT-S	DWX1367	NSP	126	DRVE Assy	DWP1038
$\check{ullet}$	17	VDEC UNIT-S	DWX1368				
$\widetilde{ullet}$	18	VENC UNIT-S	DWX1427				
$\odot$	19	SERVO MECHA Assy-S	DXX2151				
	20	Programed to 27C256AK-10 (IC102)	DYW1306				
	21	Programed to 27C256AK-10 (IC103)	DYW1307				
	22	Programed to 27C256AK-12 (IC502)	DYW1148				
	23	Programed to HD647180X0CP6 (IC37)	DYW1311				•
	24	P-ROM for A UNIT (IC20)	DYW1162				
	25	P-ROM for B UNIT (IC20)	DYW1163				
	26	PLD (ADDC) (IC7)	DYW1164				
	27	P-ROM A/B (IC6)	DYW1161				
	28	Programed to 27C256AK-10 (IC104)	DYW1308				
	29	GEL	DEC1657				
	30	Programed to TIBPAL16L8 (IC106)	DYW1150				٠
	31	Programed to TIBPAL16L8 (IC606)	DYW1155				

# 2.3 EXTERIOR 3

# Parts List of Exterior 3

Mark	No.	Description	Parts No.
⚠	1	PSY Assy	DWR1148
		(Switching Regulator)	
	2	CAP (For leg)	DEC1190
$\odot$	3	FPCN Assy	DWX1211
$\triangle$	4	POWER SWITCH (S1)	DSA1010
<u>^</u>	5	CAPACITOR (C1, C2)	RCG-009
Δ	6	CIRCUIT PROTECTER	DST1001
$\triangle$	7	NOISE FILTER (Inlet Type)	DTX1002
	8	COVER (For P. C. Board)	DEC1443
	9	EARTH TERMINAL	DKE-101
	10	SCREW	IBZ30P080FCC
	11	SCREW	BBZ30P060FMC
	12	SCREW	PMB40P080FMC
	13	SCREW	PMH30P080FMC
	14	SCREW	PMH40P160FMC
	15	SCREW	BBZ40P080FMC
	16	SCREW	BBZ30P080FZK
	17	SCREW	PMB40P080FMC
	18	CONNECTOR Assy	DKP2297
	19	EARTH LAG	DDX1112
	20	WIRE Assy	DDX1113
	21	CONNECTOR Assy	DKP2296
NSP	101	BOTTOM PLATE Assy	DXA1290
NSP	102	FRONT PLATE	DNH1716
NSP	103	MECHA FRAME	DND1095
NSP	104	POWER SWITCH COVER	DNF1394
NSP	105	NYLON RIVET	DEC-117
NSP	106	ACI HOLDER	DNF1358
NSP	107	EDGE GUARD A	DEB1184
NSP	108	EDGE GUARD B	DEB1185

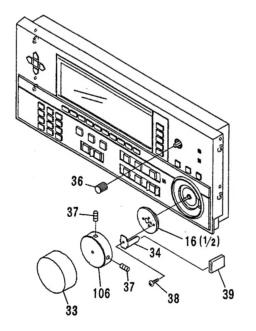
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# 2.4 CONTROL UNIT - S

# Parts List of Control Unit - S

ark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	BACK PANEL Assy	DXA1294	NSP	101	VOLUME PLATE	DNF1331
	2	FR1 Assy	DWG1369		102	LENS	PNY-583
	3	FR2M Assy	DWG1227	NSP	103	DISPLAY WINDOW	DAH1561
	4	FR2S Assy	DWG1228	NSP	104	DISPLAY PLATE	DNF1332
	5	FR3 Assy	DWG1223	NSP	105	CONTROL PANEL Assy	DXA1474
	Ü	110 110,					
	6	EL DISPLAY	DAW1014	NSP	106	DIAL (CLUTCH)	DLA1448
	7	RUBBER SHEET (S)	DEB1165				•
	8	RUBBER SHEET (M)	DEB1167				
	9	CARD EDGE SPACER	DEC1394				
	10	TEN KEY	DNV1002				
	11	MODE KEY	DNV1003				
	12	CURSOR KEY	DNV1004				
	13	FUNCTION KEY	DNV1001				
	14	ROTARY ENCODER	DXP1023				
	15	CLUTCH SPRING	DBK1058				
	16	CLUTCH Assy	DXB1310				
	17	JOG Assy	DWG1229				
	18	DISC SLIT	DXB1302				
	19	FRONT PANEL	DKP2158				
		CONNECTOR Assy		<b>A</b> C	ontro	l Panel Assy Side	
	20	FRONT PANEL	DKP2159	• •	Ontro	i ranei Assy Side	
		CONNECTOR Assy					
	21	FRONT PANEL	DKP2160				
		CONNECTOR Assy				The state of the s	
	22	FRONT PANEL	DKP2161				
		CONNECTOR Assy				<b>4</b>	
	23	SCREW	AMZ30P060FZK			in I	
	24	SCREW	IPZ30P060FCU				
	25	SCREW	PMH20P100FMC				
		an 1 ann	DDATOO			B28 000	
	26	SPACER	DBA1035			100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	27	CONTROL PANEL Assy-S	DXX1712				A Ta
	28	Programed to XC1736 (IC9)	DYW1242				
	29	Programed to P85C220-D	DYW1240				20
	30	(IC11) Programed to P85C220-D	DYW1241			36	
	30	(IC12)	D1,111111			07	
		,				37	
	31						16(1/6)
	32	Programed to UPC27C1001	DYW1310			$\sim (\cdot)$	16 (1/2)
		(IC14)	DATIMONO			34	
	33	RUBBER DIAL	DNV1006			( ) ) T Y >	. ~ ~
	34	STOPPER (CLUTCH)	DNF1444			106 37	38 39
	35					33	38 39
	36	KNOB (VOLUME)	DNK2019			00	
	37	BOLT	SMZ26H060FBT				
	38	SCREW	PMB30P060FMC				
	30	STOPPER RUBBER	DEB1243				

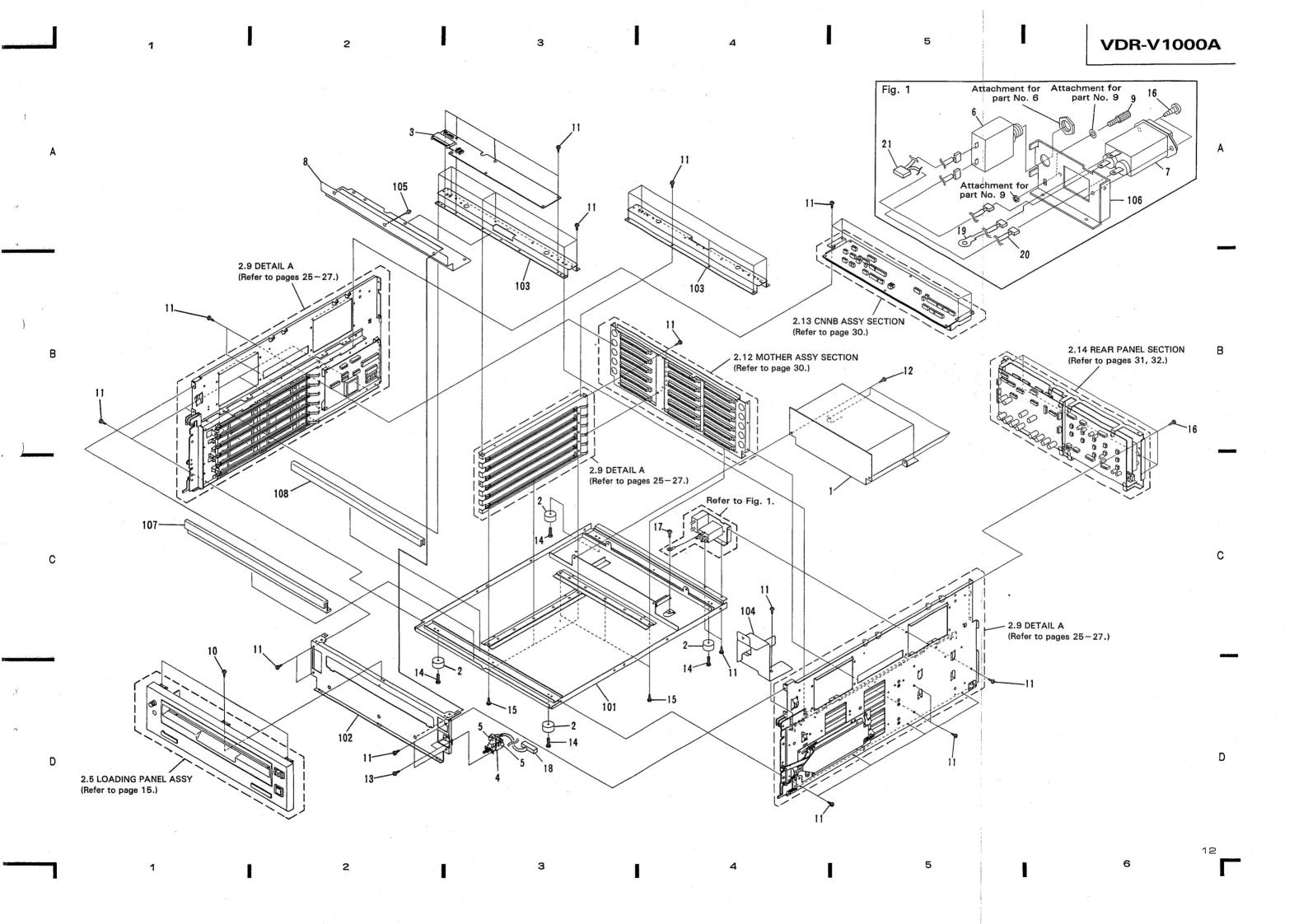
DEB1243 RNH-184



 Back Panel Assy Side 29/※2 В 27 (1/2) ※1: Attachment for No. 14 (Rotary encoder)  $\frak{\%}2$ : These IC are not included in CONTROL UNIT – S. 2

13

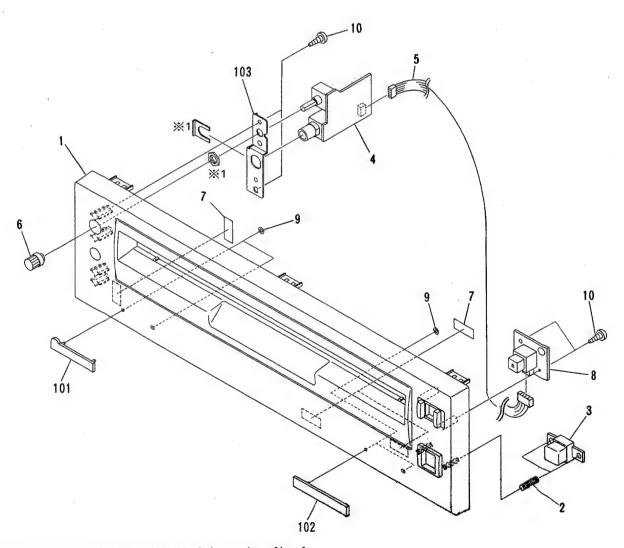
SCREW STOPPER RUBBER CORD CLAMPER



# 2.5 LOADING PANEL ASSY

# Parts List of Loading Panel Assy

	Parts No.		
1 LOADING PANEL DNK284	2		
2 SPRING (Power Button) VBH-1	_		
2 Of Riffed (1 over Edition)			
bollon (rond)			
1111111111111			
5 CONNECTOR Assy DKP208	0		
6 ROTARY KNOB B DAA100	5		
7 SHEET VEX102	-		
	_		
o REJ 5W REST			
9 STOPPER RING YS24FB			
10 SCREW IPZ30P0	60FCU		
NSP 101 NAME PLATE DAM105	26		
NSP 102 BADGE DAM105	27		
NSP 103 HEADPHONE PLATE DNF133	0		

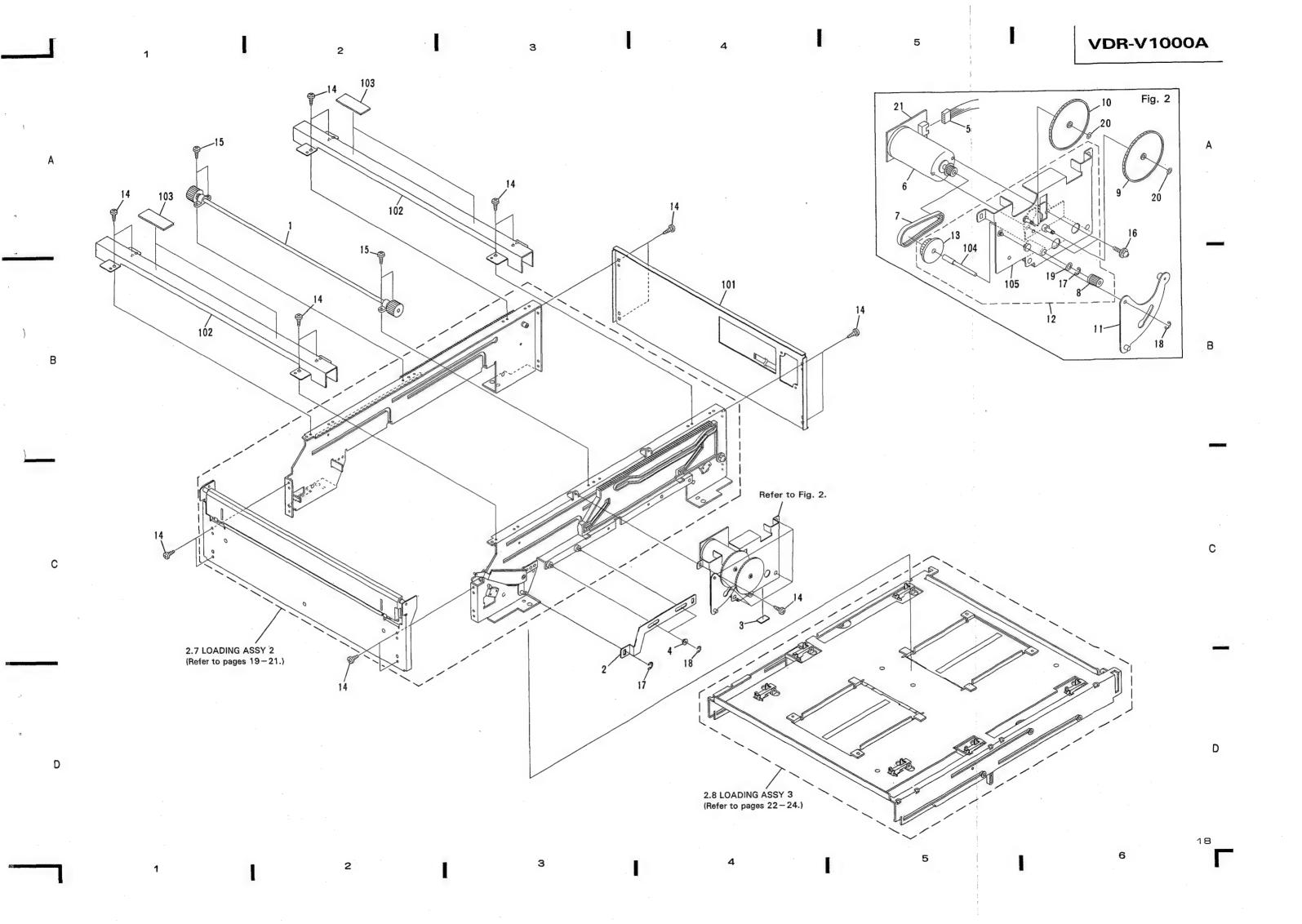


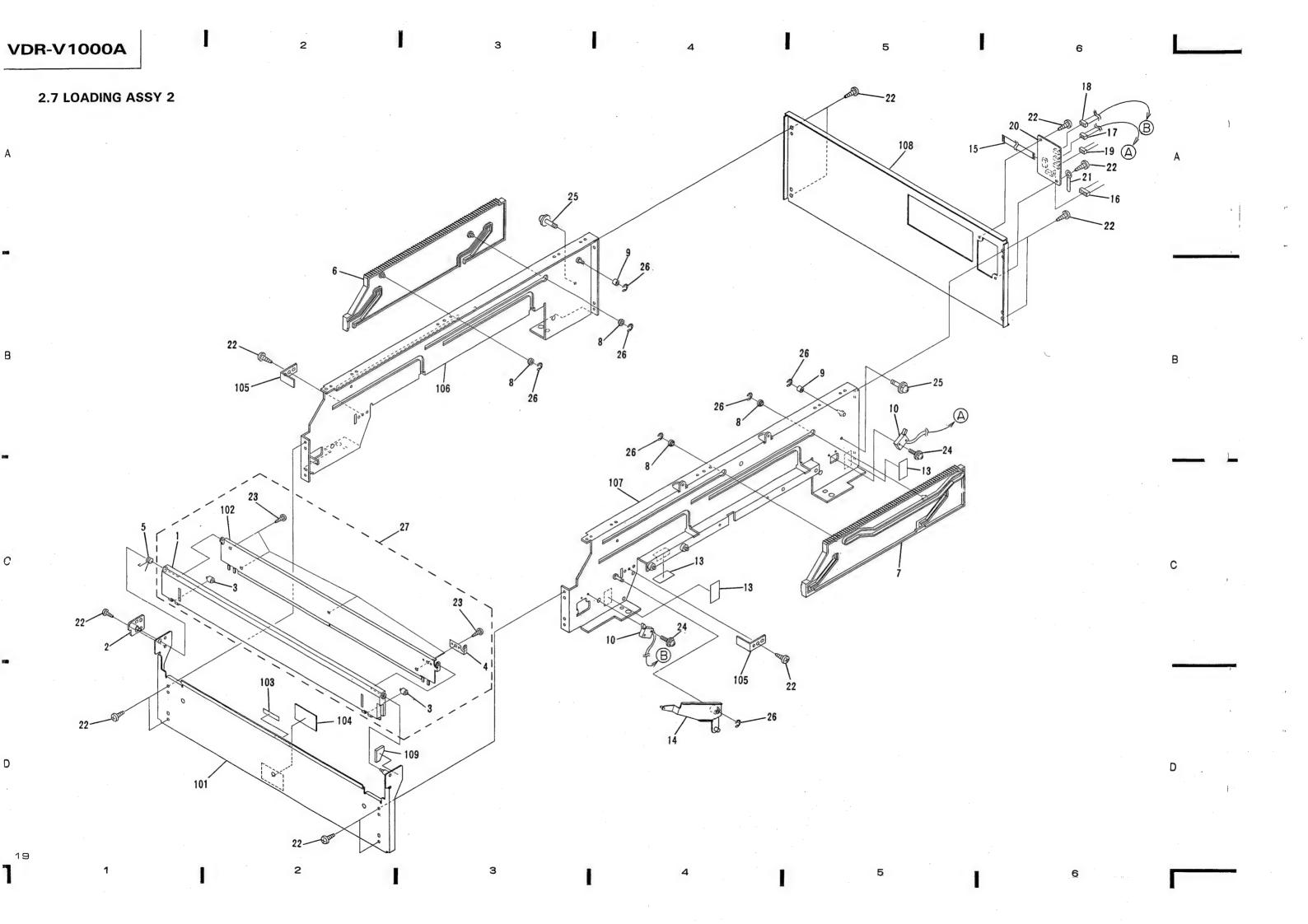
※1: Attachment for headphone jack located on No. 4
(HPA Assy).

# 2.6 LOADING ASSY 1

# Parts List of Loading Assy 1

Mark	No.	Description	Parts No.
	1	SYNCRO SHAFT Assy	DXB1344
	2	DOOR LINK	DNH1576
	3	SHEET	VEX1022
	4	LINK ROLLER	DLA1495
	5	CONNECTOR Assy	DKP2038
	6	MOTOR	DXM1044
	7	S2M TIMING BELT	DMS1006
	8	GEAR (A)	VNL1020
	9	GEAR (B)	DNK2036
	10	GEAR (C)	DNK2037
	11	CAM LEVER Assy	DXB1348
	12	GEAR Assy-S	DXX1709
	13	PULLEY	DNK1620
	14	SCREW	BBZ30P060FMC
	15	SCREW	IBZ30P080FCC
	16	SCREW	PMB30P060FMC
	17	E RING	YE25FUC
	18	E RING	YE20FUC
	19	WASHER	WA32D060D050
	20	WASHER	WT26D060D050
	21	MCNB Assy	DWX1218
NSP		REAR PLATE	DND1099
NSP		TOP FRAME	DND1100
NSP		CUSHION	VEC1004
NSP		GEAR (A) SHAFT	DLA1492
NSP	105	M HOLDER Assy	DXB1331





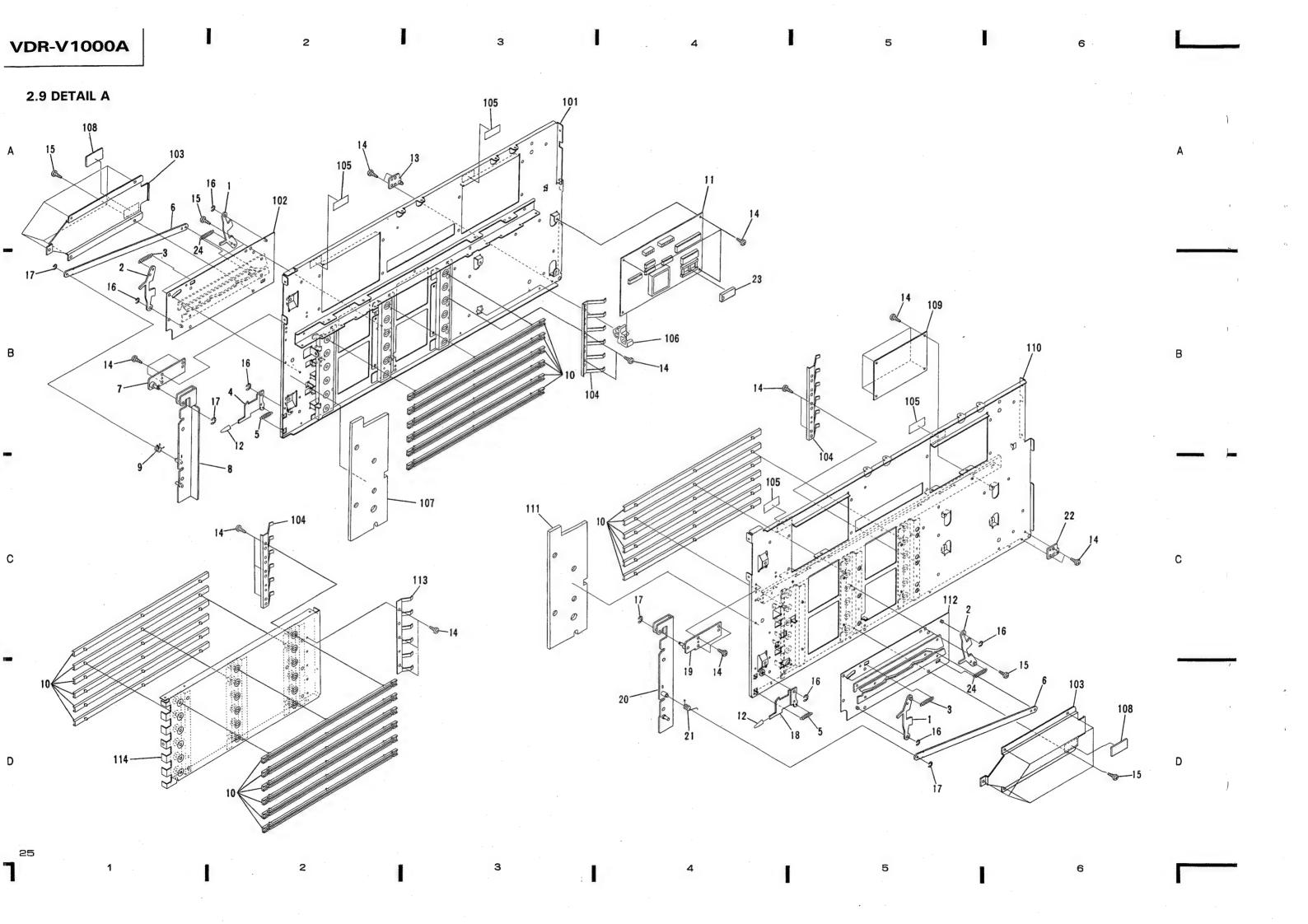
#### Parts List of Loading Assy 2

Mark	No.	Description	Parts No.
	1	DOOR	DNK2038
	2	DOOR FULCRUM BOARD Assy	
	3	ROLLER	VNL1042
	4	DOOR EARTH PLATE	DBK1062
	5	DOOR SPRING	DBH1163
	6	RACK (L)	DNK2044
	7	RACK (R)	DNK2043
	8	ROLLER (C)	DLA1491
	9	ROLLER (E)	DLA1494
	10	LEVER SWITCH (S102, S103)	RSK1002
	11		
	12	•••••	
	13	SHEET	VEX1022
	14	DOOR ARM Assy	DXB1329
$\triangle$	15	FLEXIBLE CORD (08P)	DDD1059
	16	CONNECTOR Assy	DKP2035
	17	CONNECTOR Assy	DKP2036
	18	CONNECTOR Assy	DKP2037
	19	CONNECTOR Assy	DKP2038
	20	SCNB Assy	DWX1216
	21	BINDER	VNF-069
	22	SCREW	BBZ30P060FMC
	23	SCREW	BPZ20P040FMC
	24	SCREW	PMH20P100FMC
	25	SCREW (B)	PBA1014
	26	E RING	YE25FUC
	27	DOOR Assy-S	DXX1767
NSP	101	DOOR HOLDER Assy	DXB1325
NSP	102	DOOR REINFORCEMENT BOARD	DNH1559
NSP	103	CUSHION RUBBER	DEB1173
NSP	104	SPACER RUBBER	DEB1171
NSP	105	RELEASE PLATE	DNH1561
NSP	106	RACK PLATE (L) Assy	DXB1324
NSP	107	RACK PLATE (R) Assy	DXB1323
NSP	108	REAR PLATE	DND1099
NSP	109	ARM STOPPER	DEB1188

# 2.8 LOADING ASSY 3

# Parts List of Loading Assy 3

Mark	No.	Description	Parts No.
	1	LOCK SPRING R	DBH1160
	2	LOCK SPRING L	DBH1161
	3	DOOR STOPPER	DNH1622
	4	HOLD SPRING	DBH1164
	5	ROLLER (A)	DLA1489
	6	ROLLER (B)	DLA1490
	7	ROLLER (C)	DLA1491
	8	S PLATE Assy	DXB1330
	9	CASE HOLDER (L) Assy	DXB1327
	10	CASE HOLDER (R) Assy	DXB1326
	11	LOCK	DNK2041
	12	SCREW	BBZ30P060FMC
	13	CASE HOLDER Assy	DXB1328
	14	GUIDE ROLLER B	DNK1017
	15		
	16	SHAFT	DLA1493
	17	CASW Assy	DWX1219
	18	SCREW	PMB30P060FMC
	19	SCREW	PMH20P100FMC
	20	E RING	YE15FUC
	21	E RING	YE20FUC
	22	E RING	YE25FUC
	23	MAGNET Assy (F)-S	DXX1710
	24	MAGNET Assy (R)-S	DXX1711
NSP	101	C MAGNET/35H	OMF1007
NSP		YOKE PLATE	DNH1558
NSP		MAGNET HOLDER	DNH1552
NSP	104	NYLON RIVET	DEC-117
1101	TO-1	1111011111111	220 11.

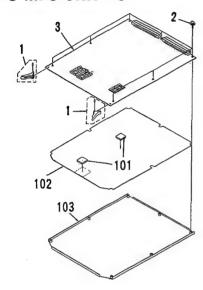


#### Parts List of Detail A

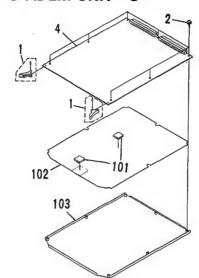
Mark N	Vo.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	RATCHET LEVER (R) Assy	DXB1349	NSP	101	SIDE FRAME (L) Assy	DXB1312
	2	RATCHET LEVER (L) Assy	DXB1350	NSP	102	CAM BASE (L) Assy	DXB1484
	3	RATCHET SPRING A	DBH1173	NSP	103	STAY COVER	DNH1584
	4	EJECT LEVER L	DNH1572	NSP	104	EARTH PLATE A	DBK1059
ŧ	5	EJECT LEVER SPRING	DBH1175	NSP	105	SPACER	DEC1440
(	6	SPRING UP STAY Assy	DXA1515	NSP	106	PCB HOLDER	DEC1442
7	7	STAY HOLDER (L) Assy	DXB1340	NSP	107	SIDE COVER L	DEB1183
8	8	PANEL HOLDER (L) Assy	DXA1305	NSP	108	STAY COVER SPACER	DEB1186
ç	9	STAY SPRING L	DBH1177	NSP	109	ACCN Assy	DWX1252
10	0	GUIDE RAIL	DEC1393	NSP	110	SIDE FRAME (R) Assy	DXB1311
11	1	422IF Assy	DWG1230	NSP	111	SIDE COVER R	DEB1182
12	2	LEVER CAP	DEB1177	NSP	112	CAM BASE (R) Assy	DXB1483
13	3	FULCRUM BOARD (L) Assy	DXB1319	NSP	113	EARTH PLATE B	DBK1060
14	4	SCREW	BBZ30P060FMC	NSP	114	CENTER BOARD Assy	DXB1313
15	5	SCREW	BBZ30P050FZK				
16	6	E RING	YE30FUC				
17	7	E RING	YE20FUC				
18	8	EJECT LEVER R	DNH1571				
19	9	STAY HOLDER (R) Assy	DXB1339				
20	0	PANEL HOLDER (R) Assy	DXA1304				
21	1	STAY SPRING R	DBH1176				
22	2	FULCRUM BOARD (R) Assy	DXB1318				
23	3	Programed to 27C256AK-12 (IC103)	DYW1309			•	
24	4	RATCHET SPRING B	DBH1202				

# 2.10 P. C. BOARD 1

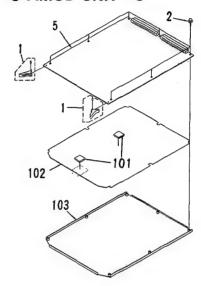
#### ● MPU UNIT - S



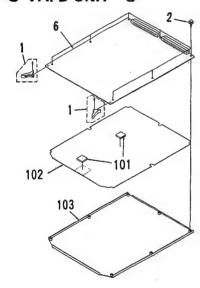
# ● ADEM UNIT-S



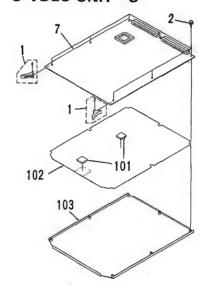
# ● AMOD UNIT - S



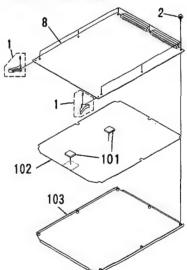
● VAPB UNIT - S



● VDEC UNIT - S



● VENC UNIT-S

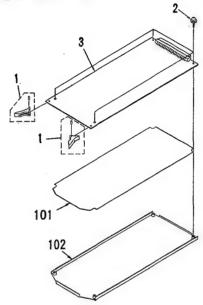


Parts List of P. C. Board 1

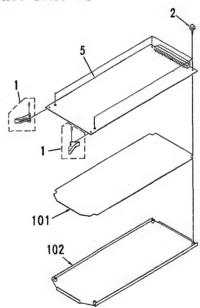
Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	EJECTOR SCREW	DEC1399		7	VDEC Assy	DWV1133
	2 3	MPU Assy	PMH30P080FMC DWG1344		8	VENC Assy	DWV1084
	4	ADEM Assy	DWK1038				
	5	AMOD Assy	DWK1039	NSP NSP	101 102	PCB SPACER INSULATION SHEET A	DEB1174
	6	VAPB Assy	DWV1126	NSP	103	PCB HOLDER (A) Assy	DEC1383 DXB1320

# 2.11 P. C. BOARD 2

# • SPDL UNIT - S



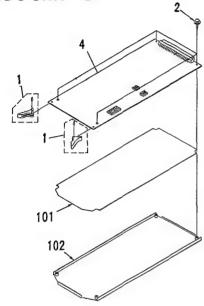
# • VAR1 UNIT-S



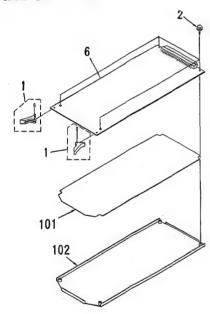
#### Parts List of P. C. Board 2

, area	-100	of Fr or Board E					
Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	EJECTOR	DEC1399		6	VAR2 Assy	DWV1128
	2	SCREW	PMH30P080FMC				
	3	SPDL Assy	DWS1190				
	4	ADDC Assy	DWP1042	NSP	101	INSULATION SHEET B	DEC1384
	5	VAR1 Assy	DWV1127	NSP	102	PCB HOLDER (B) Assy	DXB1322

# • ADDC UNIT - S



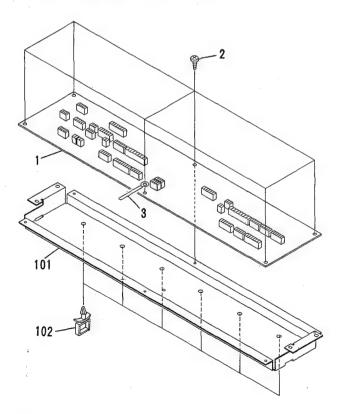
# ● VAR2 UNIT-S



# 2.12 MOTHER ASSY SECTION

# Parts List of Mother Assy Section

ark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	MOTHER Assy	DWX1213	NSP	101	MOTHER INSULATION	DEC1382
	2	CONECTOR Assy	DKP2051			SHEET	
	3	CONECTOR Assy	DKP2052	NSP	102	MOTHER INSTALL BOARD A	DNF1342
		CONECTOR Assy	DKP2066		103	BINDER	PEC-107
	4		DKP2071	21.02			
	5	CONECTOR Assy	DIX 2011				
	6	SCREW	BBZ30P060FMC			4	103
				X			2
			1-				
					The state of the s		3
			19				
				4			
			101				
		<b>A</b>			6		No.
		(Transition)					<i>&gt;</i> '
		102_0			°		
		102					
		0				0	
		6	200				
		51	2				
					10		
			1.1 11 16	M			
			///	11		<b>X</b>	
			11 10	11.			
			0				
					/		
12	CN	NB ASSY SECTION					



# Parts List of CNNB Assy Section

Mark	No.	Description	Parts No.
	1	CNNB Assy	DWX1214
	2	SCREW	BBZ30P060FMC
	3	CORD STOPPER	VNF-069
NSP	101	MOTHER INSTALL BOARD B	DNF1344
NSP	102	WIRE SADDLE	DEC1450

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arts	2
	4
List o	REA
f Real	2.14 REAR PANEL SECTION
Pane	NEL
Sec	SEC
tion	OLC
	Parts List of Rear Panel Section

					Mark
	16 17 18 19 20	11 12 13 14	6 7 8 9	υ 4 υ μ	No.
	CONNECTOR Assy CONNECTOR Assy CONNECTOR Assy CONNECTOR Assy CONNECTOR Assy	SCREW CANON CONNECTOR 3P RECEPTACLE CONNECTOR Assy CONNECTOR Assy	TBCIF Assy 422CN Assy JOINT BOLT SCREW SCREW	VDIF Assy AUIF1 Assy AUIF2 Assy AUCN Assy VDCN Assy	Description
25 Cm 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DKP2070 DKP2072 DKP2078 DKP2263 DKP2069	PMA30P060FZK DKN1046 PKP1004 DKP2079 DKP2083	DWG1232 DWX1212 DBA1037 BBZ30P060FMC PMZ26P040FNI	DWV1083 DWK1020 DWK1021 DWX1253 DWV1082	Parts No.
		NSP 101	26 27 28 29	21 22 23 24 25	Mark No.
		TERMINAL BOARD A	CERAMIC CAPACITOR (C101, C102) CONNECTOR Assy CONNECTOR Assy JOINT BOLT	CONNECTOR Assy CONNECTOR Assy CONNECTOR Assy CONNECTOR Assy Programed to PAL16L8 (IC804)	o. Description
		DNC1184	CGDYX473M25 DKP2081 DKP2082 DBA1038	DKP2068 DKP2054 DKP2065 DKP2067 DKP2067	Parts No.
		<b>S</b>			
	27 DE			101	

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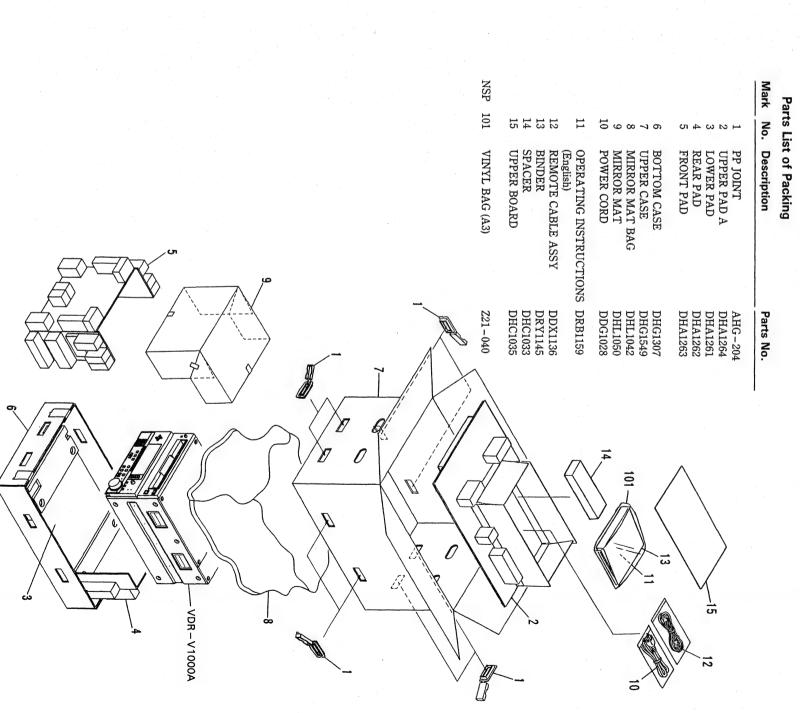
3. PACKING AND PARTS LIST

**VDR-V1000A** 

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Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
The \(\triangle)\) mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
Parts marked by "\(\thiangle)\)" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.



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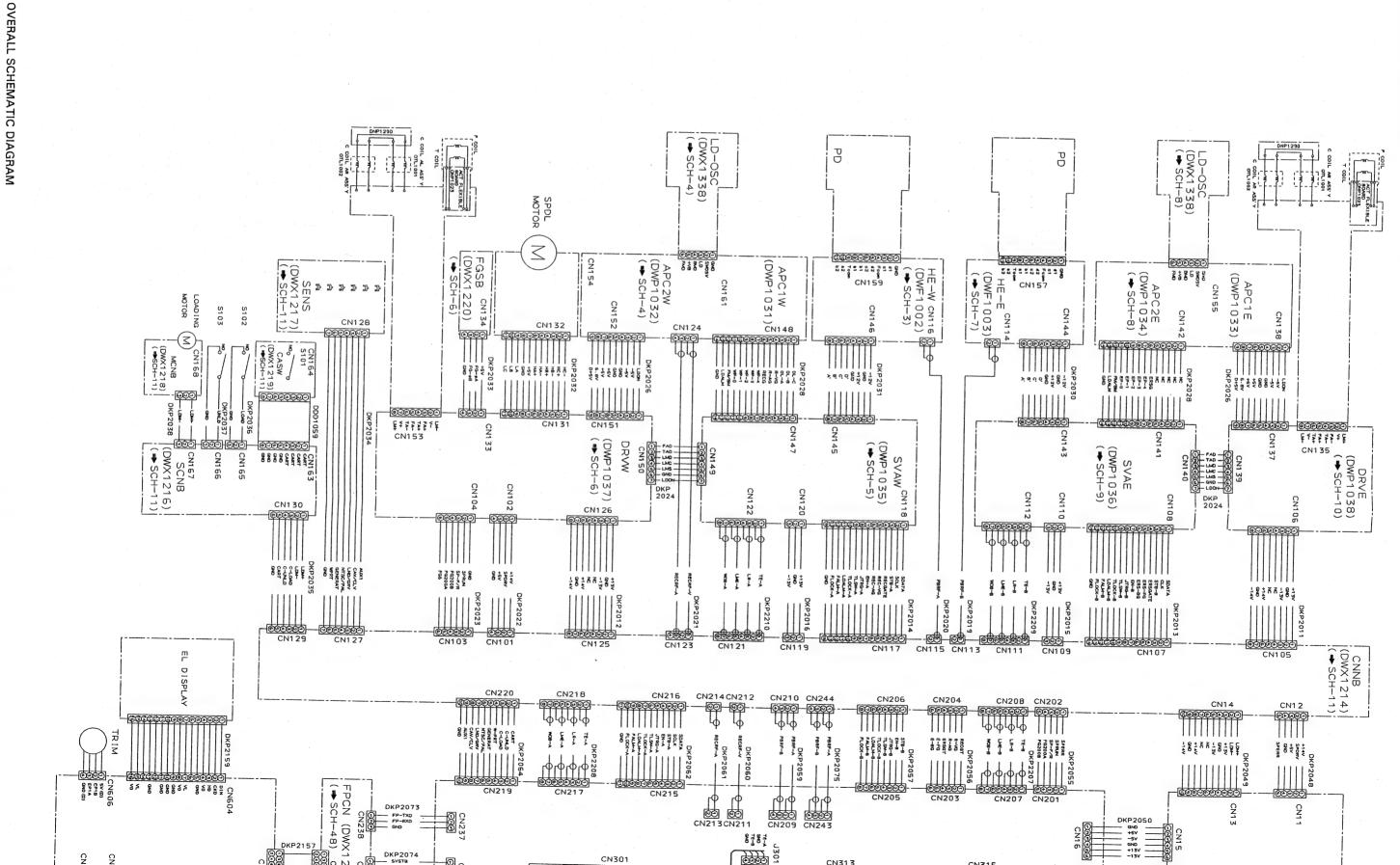
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# 1. SCHEMATIC AND PCB CONNECTION DIAGRAMS

4.1 OVERALL SCHEMATIC DIAGRAM

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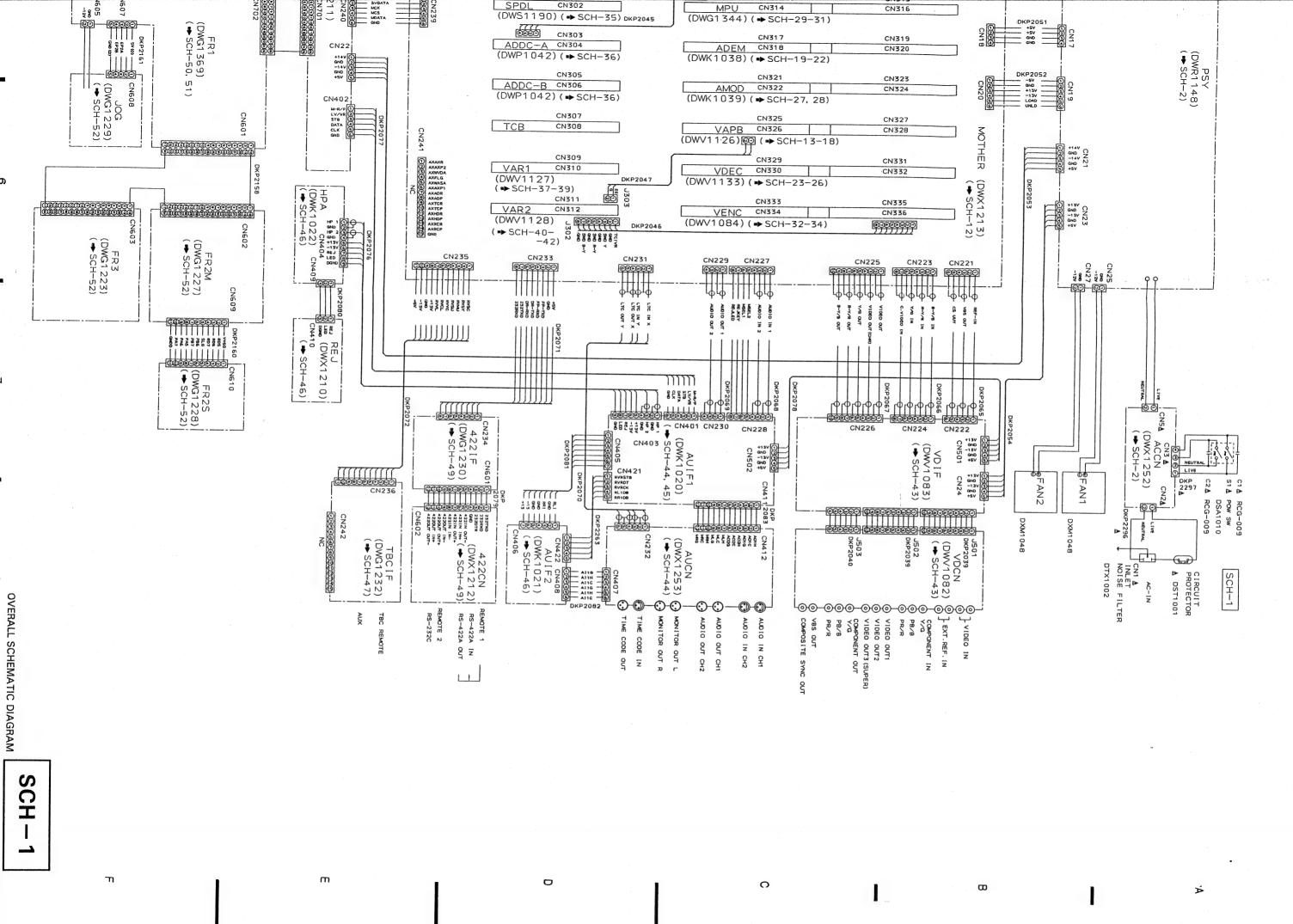


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#### 4.2 ACCN ASSY AND PSY ASSY

#### NOTE FOR SCHEMATIC DIAGRAMS

1. When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB

(Type 2A)

PARTS LIST".

2. Since these are basic circuits, some parts of them or the values of some components may be changed for improve-

#### 3. RESISTORS:

Unit:  $k: k\Omega$ ,  $M: M\Omega$ , or  $\Omega$  unless otherwise noted. Rated power: 1/4W, 1/6W, 1/8W, 1/10W unless otherwise

Tolerance: (F):  $\pm 1\%$ , (G):  $\pm 2\%$ , (K):  $\pm 10\%$ , (M):  $\pm 20\%$  or  $\pm 5\%$  unless otherwise noted.

#### 4. CAPACITORS:

Unit: p:pF or µF unless otherwise noted.

Ratings: capacitor  $(\mu F)$  / voltage (V) unless otherwise noted. Rated voltage: 50V except for electrolytic capacitors.

#### 5. COILS:

Unit: m:mH or µH unless otherwise noted.

#### 6. VOLTAGE AND CURRENT:

\_\_\_ or ← V :

DC voltage (V) at no input signal unless otherwise noted.  $\Leftrightarrow$  mA or  $\leftarrow$  mA:

DC current at no input signal unless otherwise noted.

#### 7. OTHERS:

- Ø or **Ø** : Adjusting point.
- : Measurement point.
- ullet The  ${\mathbb A}$  mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.

#### 8. SCH ON THE SCHEMATIC DIAGRAM:

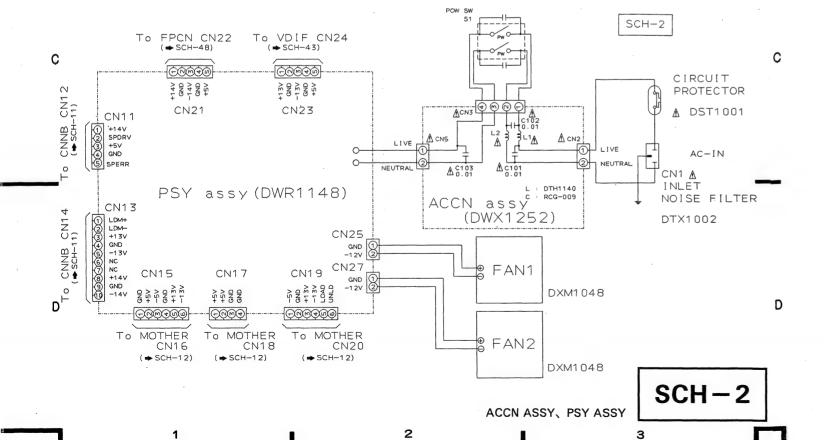
 SCH─□ indicates the drawing number of the schematic diagram. (SCH stands for schematic diagram.)

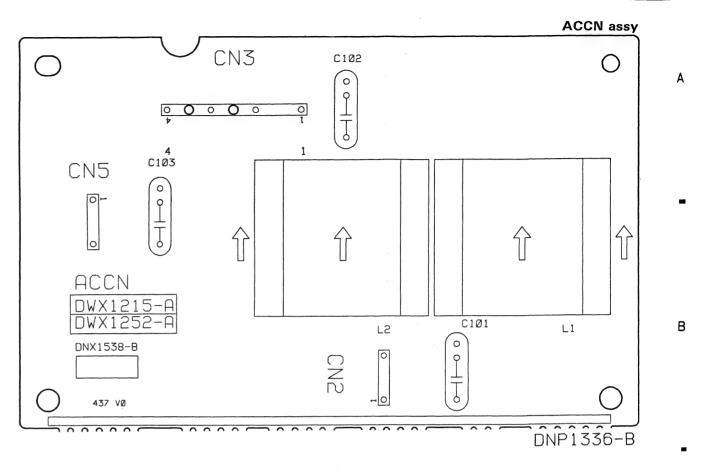
#### 9. SWITCHES (Underline indicates switch position):

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J.	01111	JILO (Ondernine maiout	00 01116	on poordony.
	S1	POWER SW ON - OFF	FR3 Ass	у
	S102	LOAD	S17	SET
	S103	UNLOAD	S18	CLR
V	DCN Ass	·v	S19	0
	S101	VIDEO 75Ω ON -OFF	S20	1
	S102	EXT REF. 75Ω ON -OFF	S21	2
V.	APB Ass	v	S22	3
	S501	SMPTE/B -CAM A -B	S23	4
	S502	SMPTE/B - CAM A - B	S24	5
	S503	SMPTE/B - CAM A - B	S25	6
V.	AR2 Ass	y	S26	·
	SW101	A/B	S27	8
	SW102	A/B	S28	9
	SW103	A/B	S29	
V	DEC Ass	y	S30	
	S1 -1	DS0 O/C	S31	F3
	S1 -2	DS1 O/C	S32	
	S1 -3	DS2 O/C	S33	F5
	S1 -4	DS3 O/C	S34	
		DS4 <u>O</u> /C	S35	
		DS5 <u>O</u> /C	S36	
		DS6 O/C	S37	
	S1 -8		S38	
R	EJ SW A	•	S39	
	S1	EJECT	S40	
F	R1 Assy		S41	
	S1	RESET	S42	
Α	DEM Ass		S43	
	SW1	NRM/SWP		CURSOR A
	SW2	NRM/SWP	S45	
Α	UIF2 Ass			CURSOR <
	S10	LEVEL 600Ω ON -OFF		CURSOR >
	S11	LEVEL 600Ω	S48	
_		HIGH (+4dB) -LOW (-20dB)	FR2S A	•
F	R2M Ass		S6"	SHUTTLE JOG
	S1	ENTRY IN	S7 S8	SCAN
	S2	ENTRY OUT		
	S3	PARK	SENS A	WPRT .
	S4	REC STANDBY		
	S5	REC EDIT	S105	1st GEN.
		EXECUTE	S106	NTSC/PAL
		PREROLL	S107	GRV/LND
		SEARCH	0100	CAV/CLV
		STOP		AUX2
	S13 S14	VAR	CASW	
	314	PLAY		CARTRIDGE IN
			3101	OMITTING IN





#### NOTE FOR PCB DIAGRAMS:

- 1. Part numbers in PCB diagrams match those in the schematic
- 2. A comparison between main parts of PCB and schematic dia-

grams is shown below.					
Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name			
© 0 0 B C E	B C E B C E	Transistor			
● <u>(○ ○ ○</u> B C E	B C C E B C C C C C C C C C C C C C C C	Transistor with resistor			
() () () () () () () () () () () () () (	D G S D G S	Field effect transistor			
000 <u>0000</u> 0		Resistor array			
000	INOUT	3- terminal regulator			

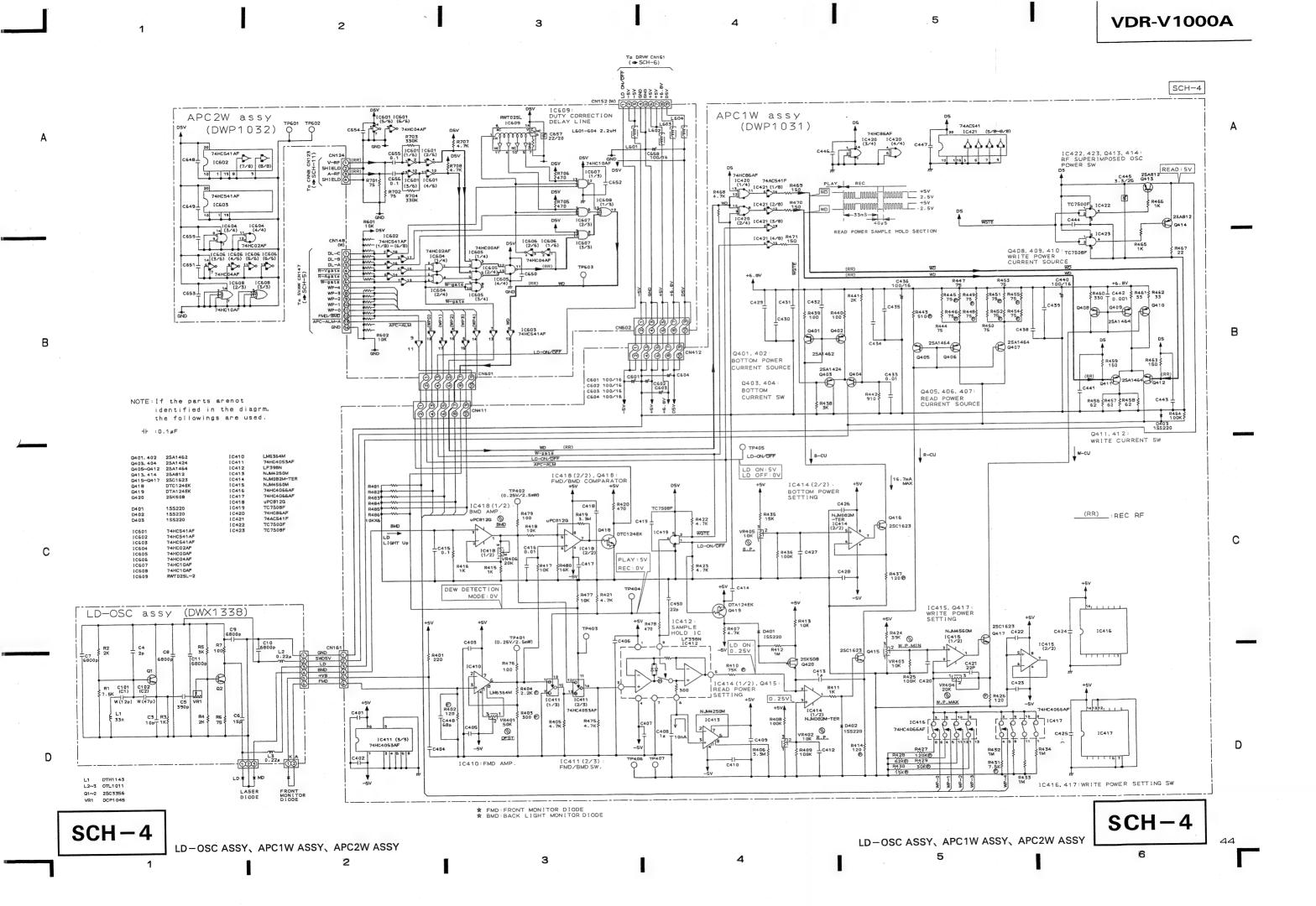
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4.5 SVAW ASSY

PCB-4

**SVAW** assy DNP1361-C DWP1035-A SVAW DNX1596-C.\_\_\_\_ 0000000000000000 C105 0-11-0 C158 0-1-0. R2 000000000 IC104 28 0000000000000000 0-11-0 c113 O-11-0 c112 R207 ( ) GND VRI VR3 VR2 VR5 VR6 VR4 VR7 VR9 VRI6 VRIO VR8 VRI4 VRI2 VRI3 ICI02 ICI01 ICI03 ICI04 Q101 IC105 IC304 Q301 Q302 IC401 IC402 IC201 IC205 ICI07 IC203 ICI08 IC106 IC206 IC209 IC313 IC208 IC314 IC307 IC305 IC308 IC302 IC306 IC301 IC303 IC309 IC202 IC204 IC403 IC404 IC210 IC207 IC310 IC312 IC311 IC315 D

HE-W assy 1 . B Α TP102 IDIGI 15 R127C122 R127 R127 R124 C304 C302 C306 OHO C119 OHO 121 C3Ø1 C3Ø5 DWF1002-F C118 R121 R121 Q9 Q10 09 5 D 4 R122 IC4 IC5 C116 C123 C120 В C115 ÓĎ 기 R116 IC2 VR2 VR2 R117 C113 R205 R201 C207 R2Ø8 C210 R204 R114 C11Ø C5@1 C2Ø4 Q7 C109 Q7 C2Ø5 C5@6 IC3 C5@5 C203 • 0 R2Ø2 C2Ø8 C107 O C209 R203 O C108 IC1 R2Ø6 R207 D5 O O D6 IC1 Ç R112C1Ø5  $\infty$ O VR1 R110C106 R1Ø1 Q6 Q1 Q1 5 6018 C1 R102 C103 **Q**5 Q5 Q2 R103 R1 05 Q4 Q4 Q3 R104 R106 D HOIGT SOIGT 0 0 0 0 0 CN159 00000 DNP1363-C

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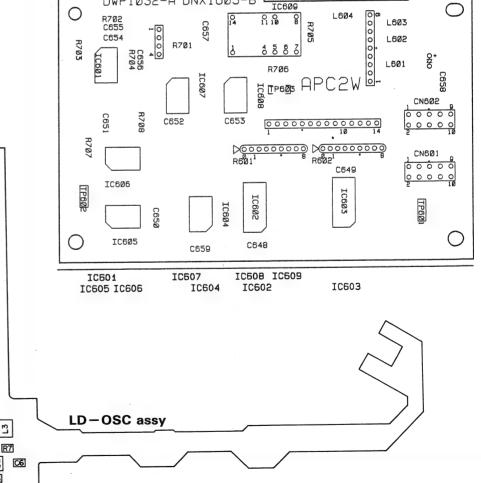
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**VDR-V1000A** 4.4 LD-OSC ASSY, APC1W ASSY AND APC2W ASSY APC1W assy VR401 VR406 VR402 VR405 В VR403 VR404 Q413 Q414 IC422 IC423 IC410 IC413 IC IC411 IC41 Q401-Q407 Q408-Q412 APC2W assy DWP1032-A DNX1603-B R7Ø1 C652 Ç IC605 C659 IC507 IC601 IC604 IC605 IC606 D LD-OSC assy 2 06 2

R469 R471 DWP1031-A TP404 R485 R485 R485 R488 R488 R488

IC413 IC418 Q418-Q420 Q417 IC415 IC419
IC412 IC414 Q416 Q415 IC416 IC417



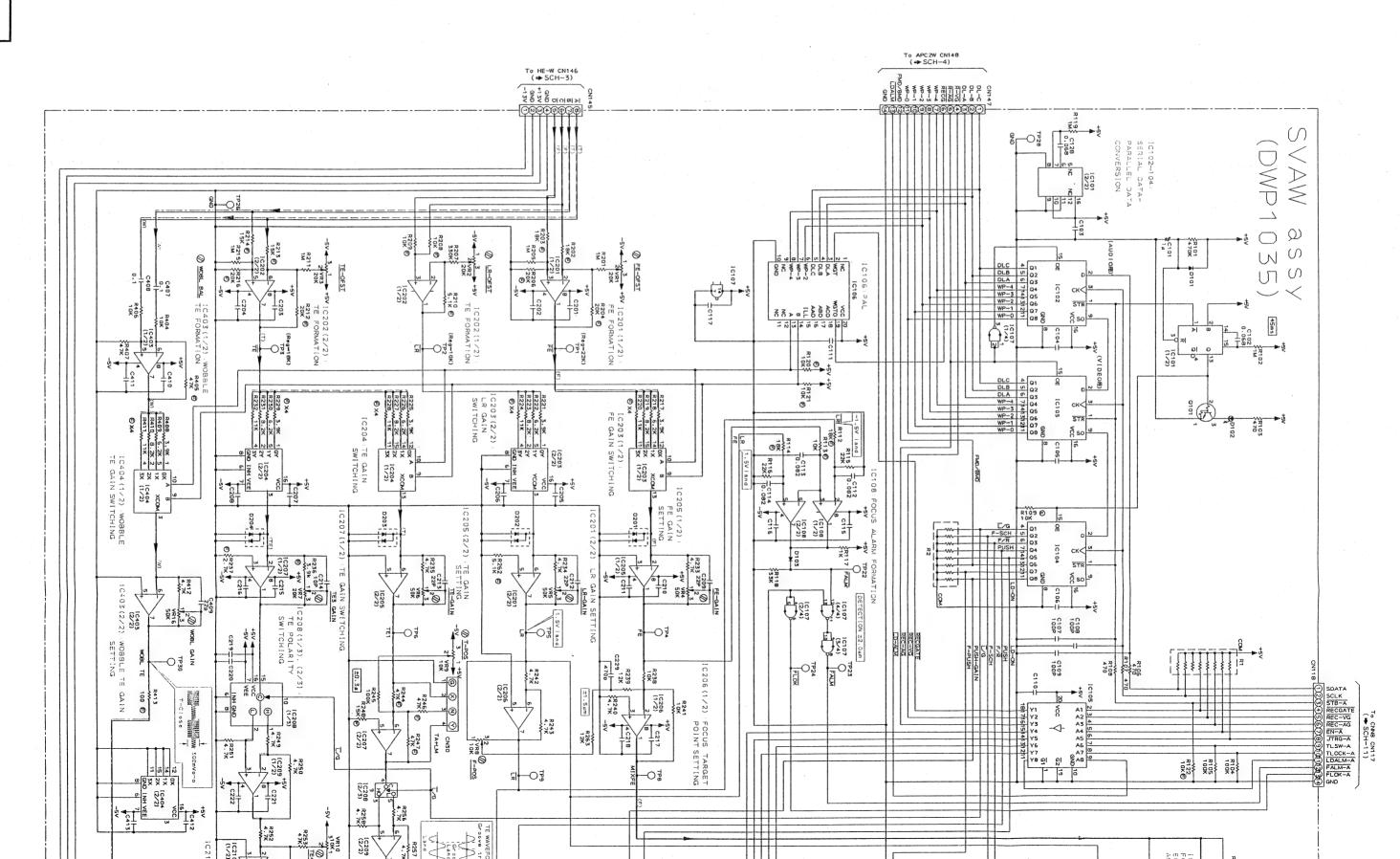
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PCB-3

SVAW ASSY

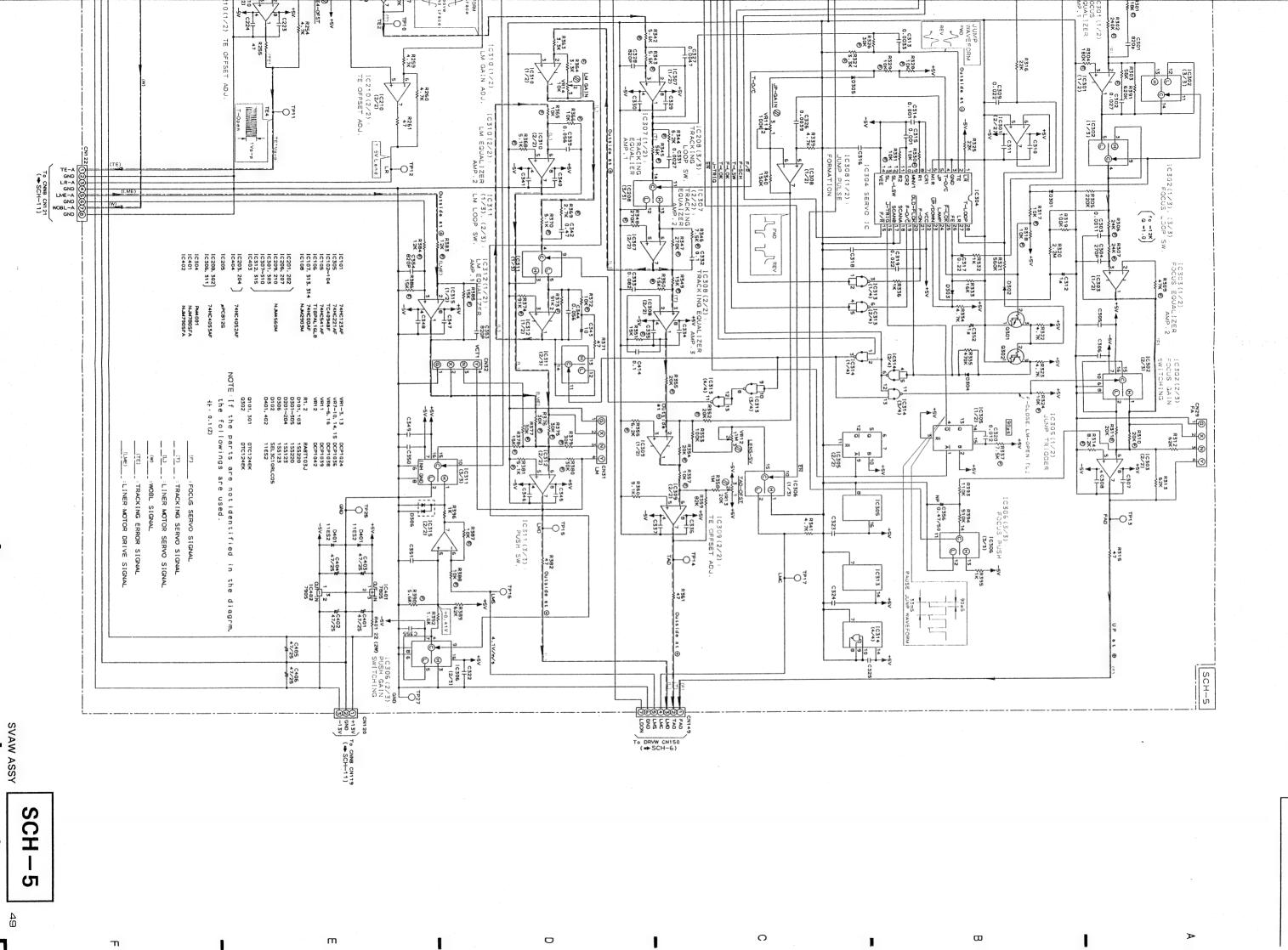


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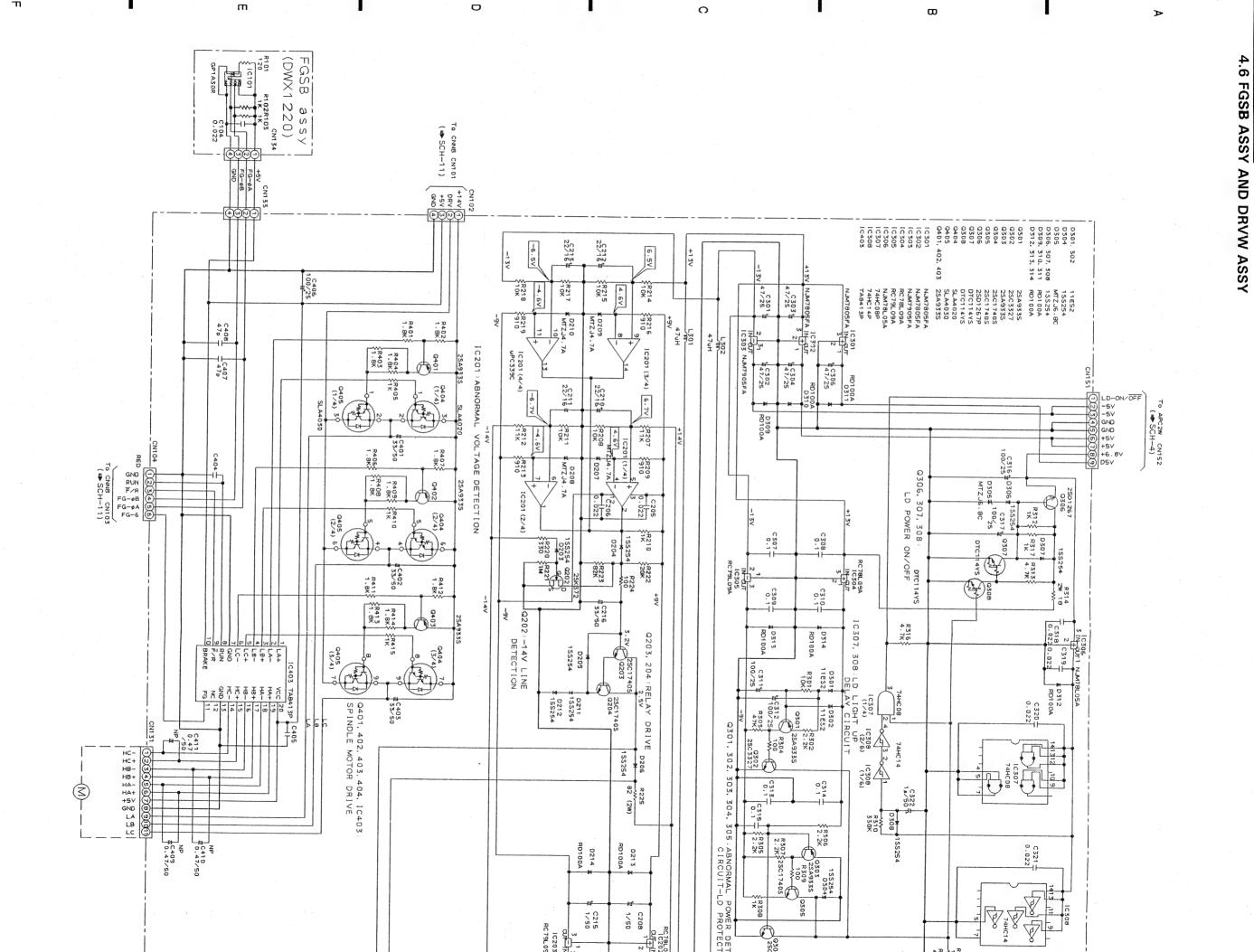
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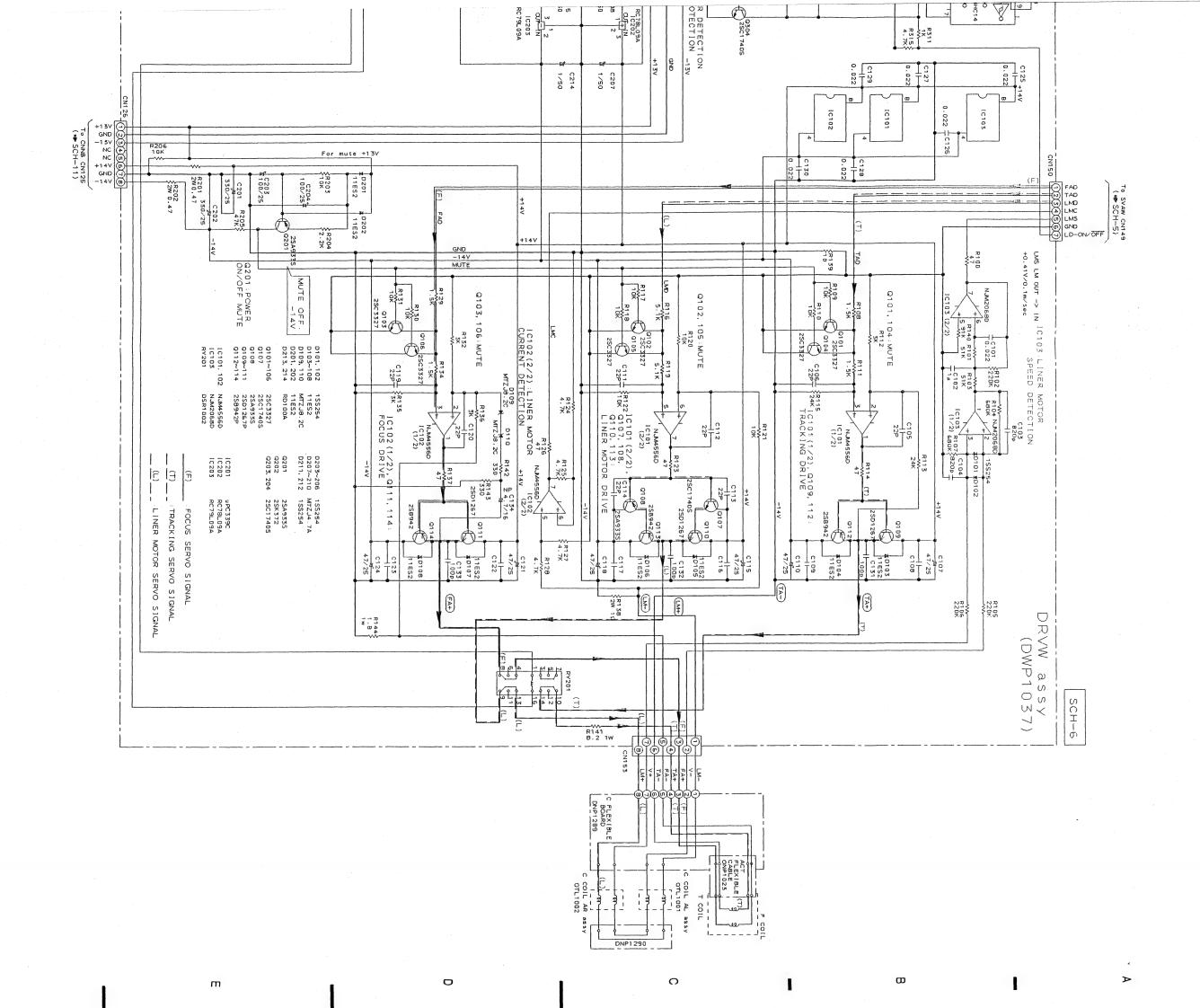
VDR-V1000A



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DRVW ASSY

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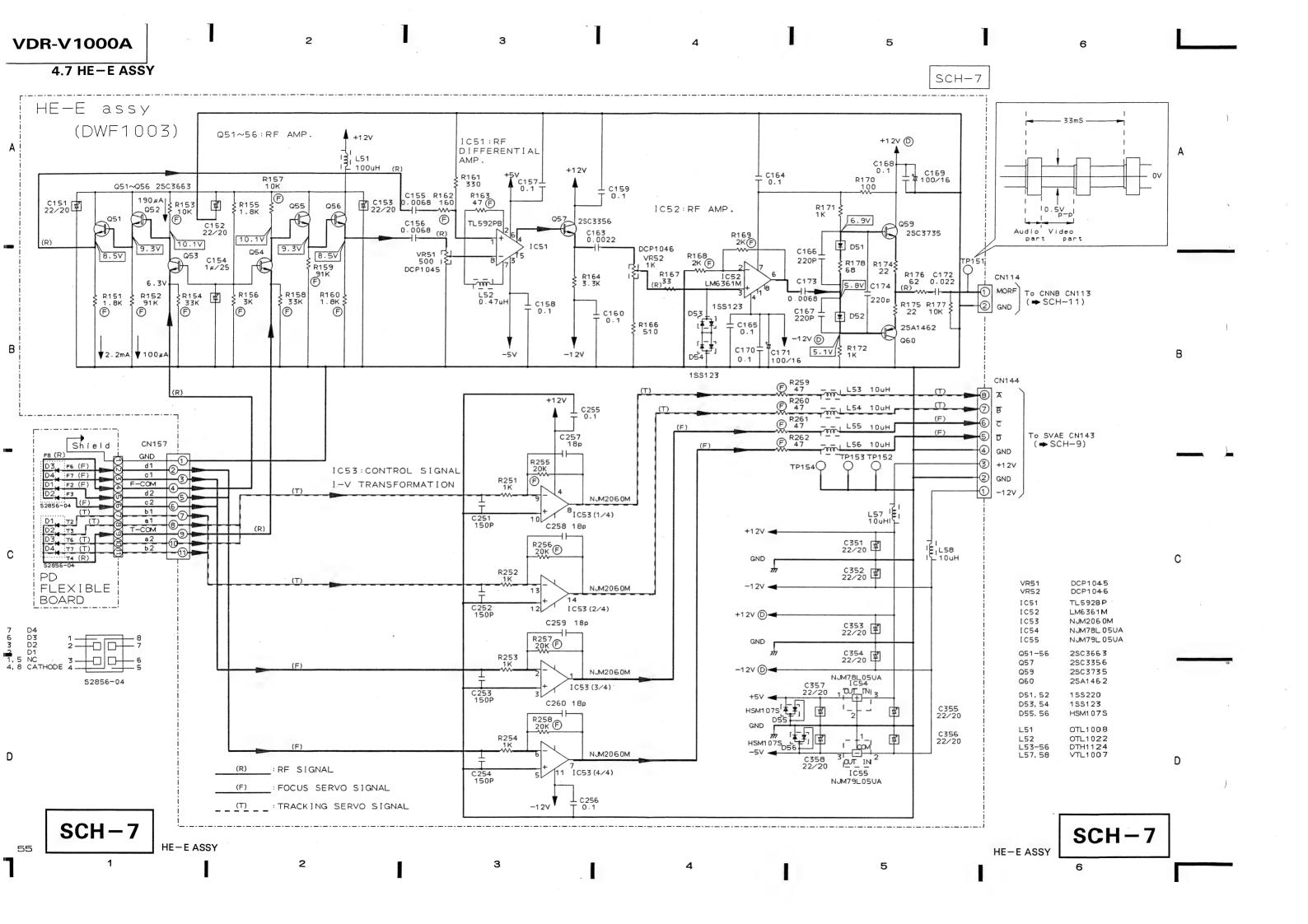
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**VDR-V1000A** 

FGSB assy 1040-EB-OCN134 DNX1543-B DWX1220-A F G

**DRVW** assv CN153 CN122 CN131 C411 C410 0 0 0 0 0000 00000000000 4 8 DS13 DNX1288-C 0000 C405 0-10 0-01-0 A-72019WO IC403 R225 00 C515 000000 1 6 CN104 8514 000 5000 10 0000000000 0-1C4Ø4 R289 0-H-0 R289 0-H-0 R289 0-H-0 R289 0-H-0 R289 0-H-0 R280 0-H-0 ~ IC3Ø8 14 0 0 0 0 0 0 0 14 0 0 0 0 0 0 0 o-vv-o R316 Q303 C3 R144 0402 0 0 0 0 0 0 0 0 0 0 0 0 R138 CN15Ø 0-11-0 R105 0-VV-0 C102 C126 C104 o--i--o C121 C118 C B 0-105 0-105 0 R114 ० ० ० ० ० 0-11-0 0-11-0 C1Ø1 0-th-0 0-wo" C124 0-10-0 0-10-0 0-^-0 0-VV-0 R107 0108 R136 0 M 0 H 0 D101 R137 D202 0-VV-0 R206 0-14-0 OHO OHO 0-14-0 0-11-0 0-11-0 C123 0-11-0  $\Theta + \Theta = \Theta + \Theta$ 0-14-0 0-14-0 0-14-0 D104 Q112 D1Ø3 0201 D105 C116 C109 C108 D107 D108 C122 C117 \_\_\_\_ Q1Ø9 Q113 0110 1110 1110 R201 0 0 0 B 2 3 R103 0 0 0 B C B C125 0-1-0 0 0 C103 0 IC307 IC308 0203 0204 IC202 IC203 IC201 IC403 Q404 Q301 Q302 IC301 Q30B Q307 Q306 IC306 Q101 Q104 Q303-Q305 Q405 Q106 Q103 0202 Q105 Q102 0401 0402 0403 Q111 IC102 Q108 Q113 Q107Q110 IC101 Q112 Q114



HE-E assy 0000000 **TP15**2 A IPISI L57 **L58** 00 R177 Q 9718 <sup>2</sup> C171 C169 0110 940 C351 C355 L53 Q59 060 170 D51 R178 R172 oL56 IC54 00 IC55 C164 C173 C17 Е В F W C17Ø C165  $\cap$  D IC52 R166 VR52 VR52 R167 C163 R258 R255 C257 R251 C590 R254 C16Ø C159 C251 C254 Q57 Q57 IC53 C255 C256 C252 C253 . 0 0 C157 O O C158 R252 C258 C259 R253 IC21 IC51 R256 R257 D55 O O D56 R161 R162C155 ( Ç  $\infty$ O VR51 R16@C156 Q56 Q51 R151 G56 6918 C152 Q51 R152 Q52 R157 C154 C154 R158 Q54 Q53 R156 Q53 R154 D TP154 SEIGI 0 0 0

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PCB-7

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## 4.8 LD-OSC ASSY, APC1E ASSY AND APC2E ASSY

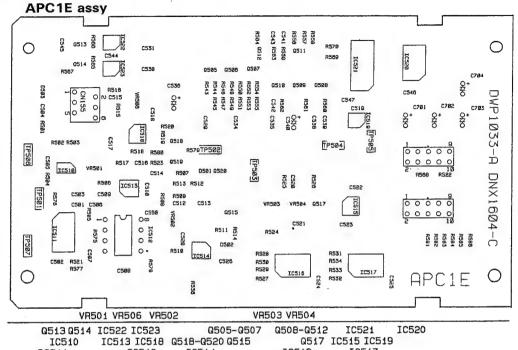
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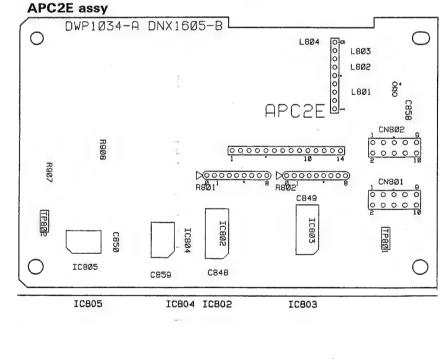
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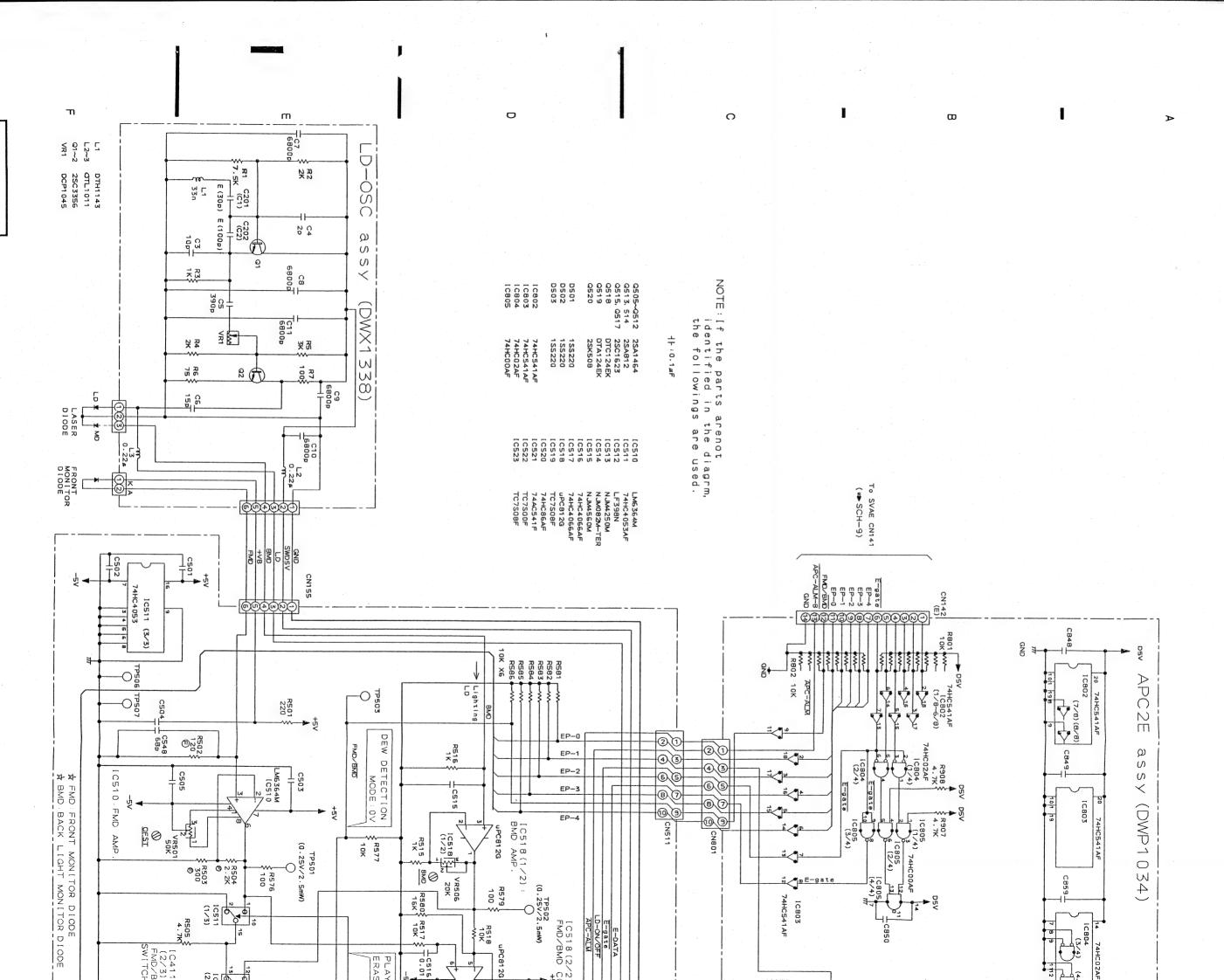


IC511 IC512 IC514 IC516



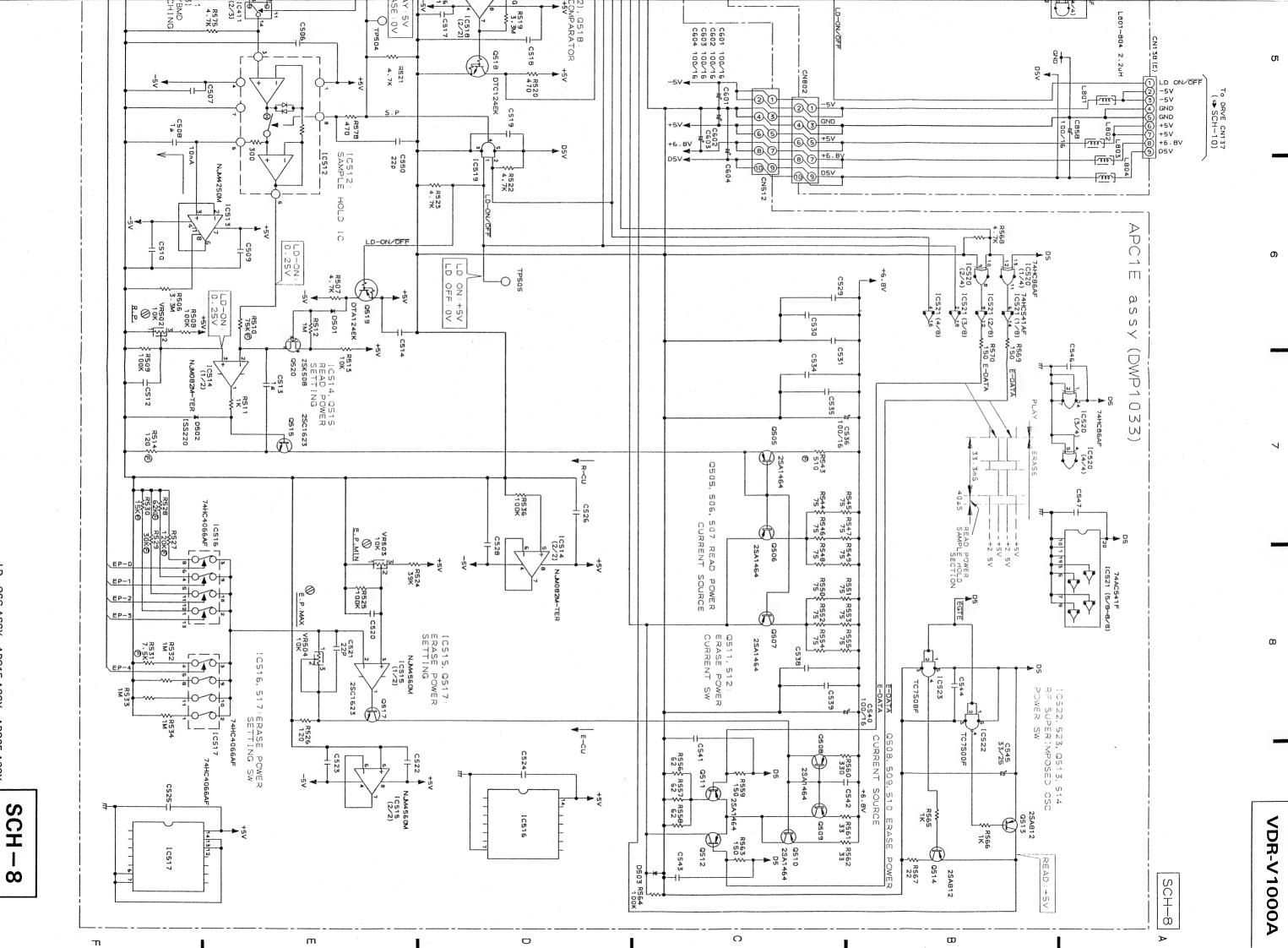
[2] [3] [7] [3] [4] [5] [5] [6] LD-OSC assy R4 R5 R7 C2 C5 2 06 VRI R6

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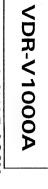
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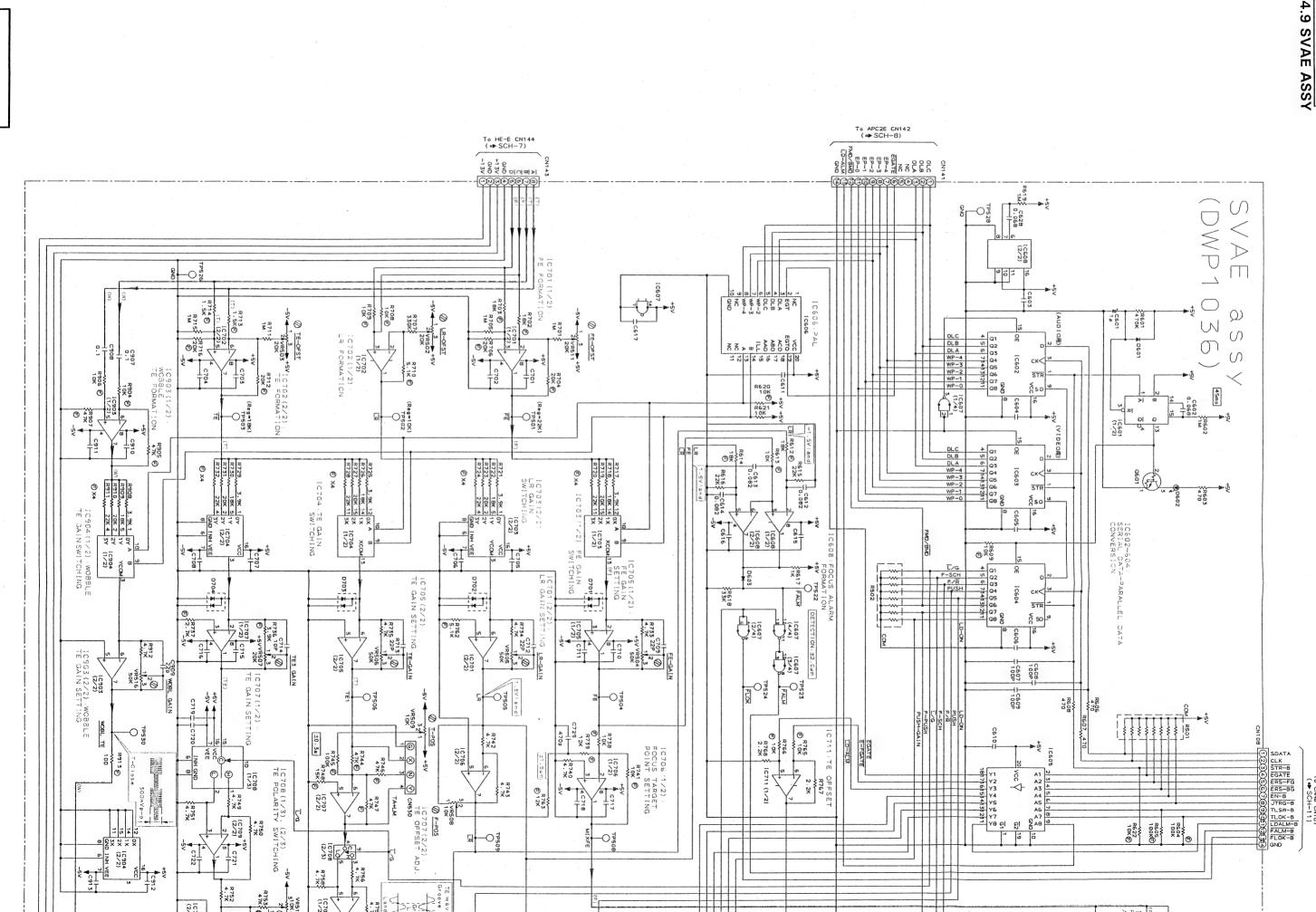
LD-OSC ASSY、APC1E ASSY、APC2E ASSY N



APC1E ASSY, APC2E ASSY

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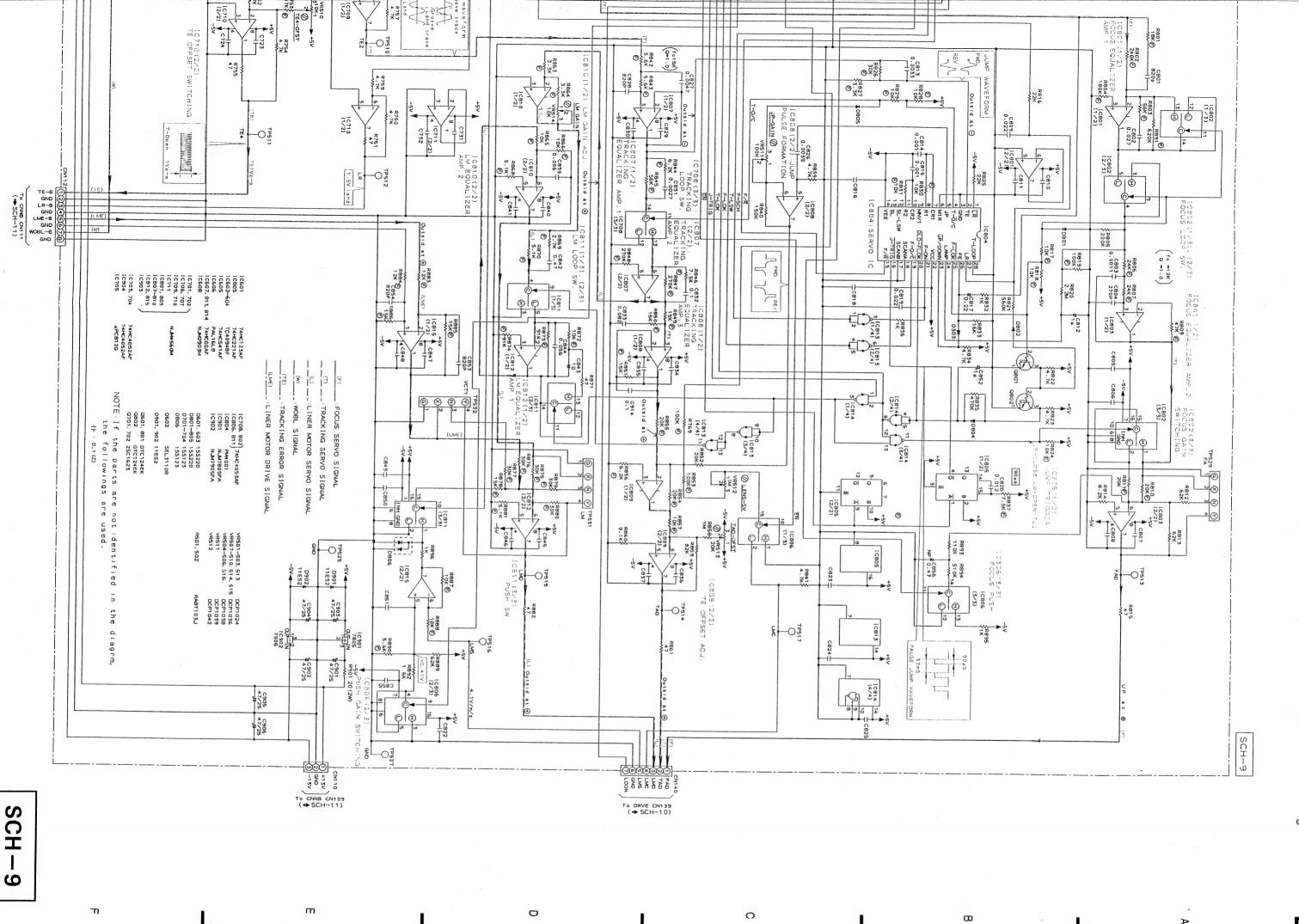
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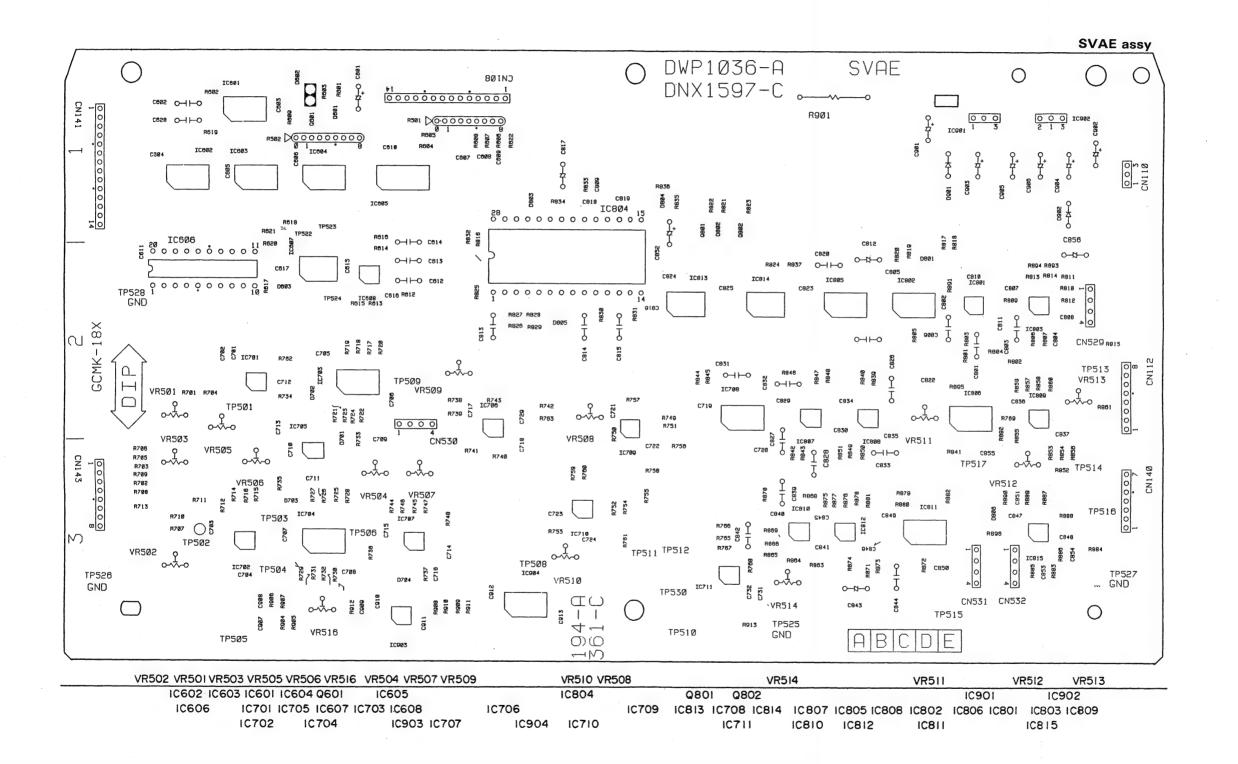
SVAE ASSY

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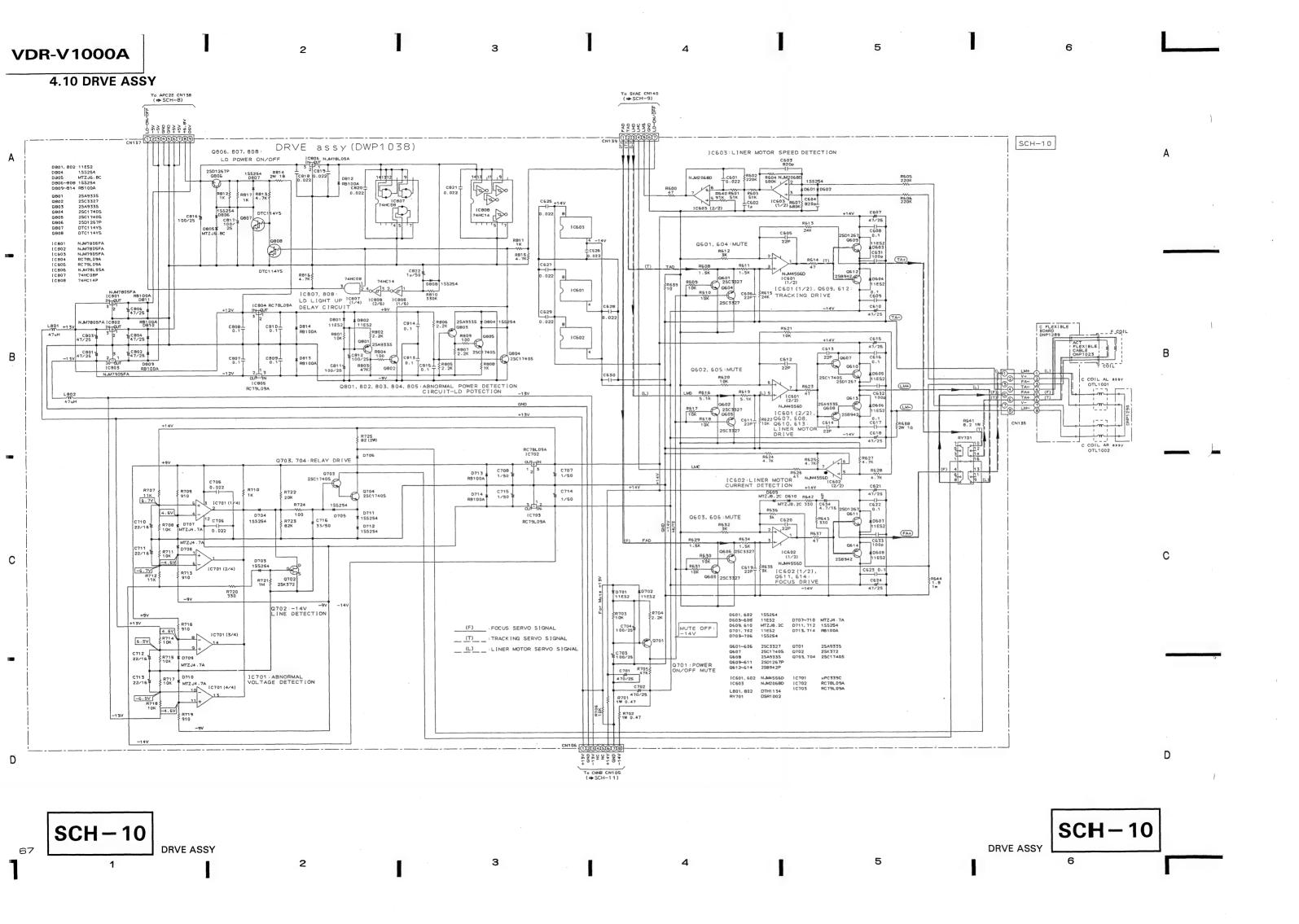
**VDR-V1000A** 

PCB-8



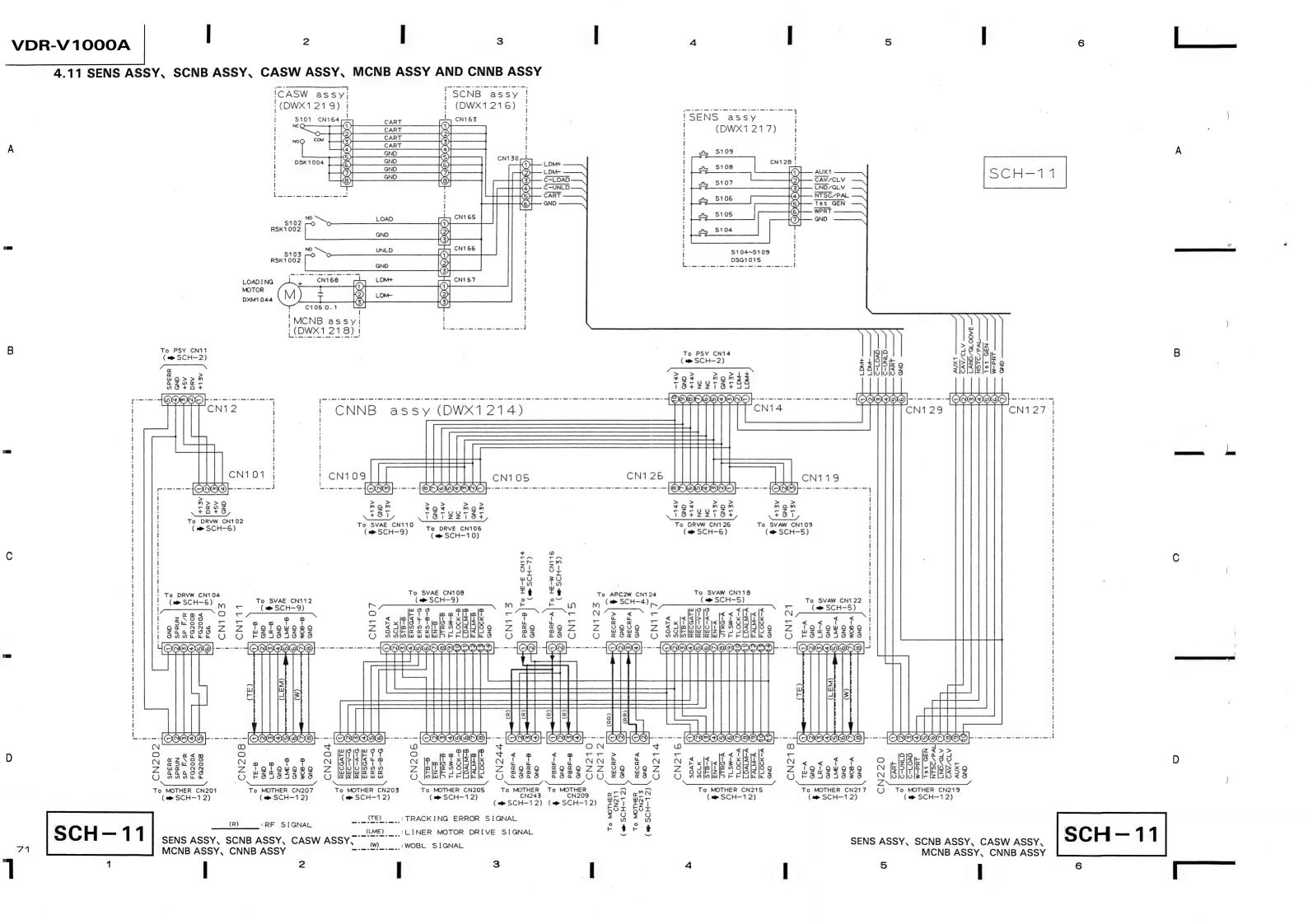
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PCB-9

DNP1362-C **DRVE** assy C711 D71c O-H-O O-DH-O R713 0 0-D-0 D705 0-11-0 IC702000 C708 0-10-0 0-10 DWP1038-A ABCDE 0000 RY701 0000 0000 00 R718 R717 0 0-VV-0 0 R7Ø8 DNX1599-C 010 110 014 016 D713 O-N-O R641 IC703000 0-44-0 0. 0-0-0 D714 0→D→ C715 0→D→ C715 0→D→ C716 0 D707 0 D707 0 C705 0 O-1-0 0- R710 0-KI-0 0-DH-0 D812 C605 R721 D703 0-0-0 D-0 R724 TCSØS 70 C6Ø4 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0-11-0 C819 R722 R723 C626 0-N-0 0 0 0 D G S 0-D-0 0702 0~~~0 0-13-0 C6Ø1 O-1-O 0602 C716 0-14-0 C825 0 0 0 0 0 0 0 0-44-0 RR16 R601 0-000 100 D7Ø4 REGE 0 0-11-0 0803 R600 0-VV-0 R6Ø4 R605 0~~0 R602 0-VV-0 o-vv-o R630 C6Ø3 0-VV-0 R617 0-44-0 R608 R603 0-VV-0  $\sim$ E C B o-vv-o R629 0-11-0 0606 C625 0-VV-0 R626 R616 0-VV-0 o-vv-o R610 0602 R619 0-//-0 C611 R609 0-VV-0 R612 0604 F C B 0-11-0 R624 0601 0----0 0603 R631 D 0 R644 C817 R639 •~~~o C8Ø9 C81Ø 0000 R634 R620 000 C612 0 R627 0 0-1-0 R643 6 R627 D7Ø1 C808 0-14-0 C7Ø4 C8Ø7 0-14-0 R7Ø3 0-VV-0 o-vv-o <sup>10</sup> 0-11-0 0-11-0  $\hookrightarrow$ IC801 D7Ø2 ®0 H 0- 0~ 0 R628 0~0 0-12-0 0-^-0 0-^-0 000 0-14-0 o-vv-o 15 Ce55 R621 C613 R623 C627 R613 C631 10805 R7Ø6 0~~~0 0-12-0 C628 C63Ø R702 R7Ø5 IC804 IC805 0 D6Ø9 0-1-0 0-1-0 C615 C61Ø 0-VV-0 0-11-0 0-11-0 0-11-0 C624 R625 C614 E C B O O O C607 C618 C804 C804 C801 C621 O⊣ ⊢O C605 C62Ø E C B 0 0 0 0607 R637 0-4-0 0-4-0 0-VV-0 R614 0-0-0 0-4-0 0-^-0 0608 C6Ø8 C6Ø9 D604 D603 DEGE △ MA GCMK-41X 0-14-0  $\Theta$ 0-14-0 0-14-0 0-10-14-0 OHO OHO 0-10-KI-0 C622 C617 D6**06** C616 D6Ø7 C623 CN1Ø6 0190 2190 6090 2190 190 1190 0 0 0 E C B 0 0 0 IC807 IC806 Q703 Q704 Q805 Q804 Q803 10808 10701 Q702 IC702 IC703 Q801 Q802 IC801-IC805 Q806-Q808 Q601 IC601 Q604 Q605 Q602 Q606 Q603 IC602 FC603 Q70I 0612 Q609 Q6I3 Q608 Q607 Q6IO Q614 Q611

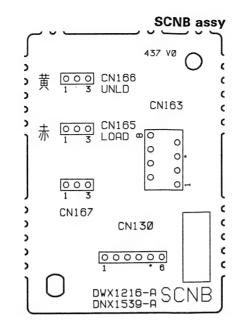




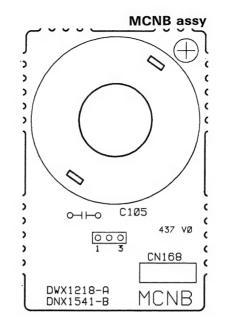
PCB-10

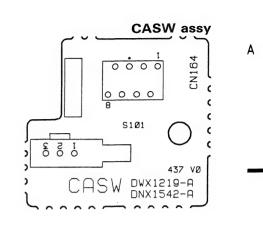
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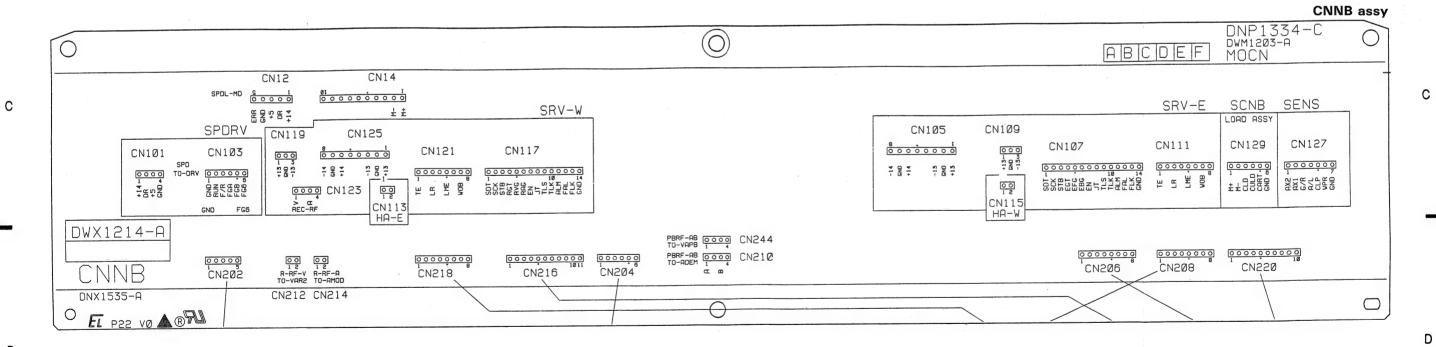
SENS assy 437 VØ \$104 CN128 000000 SENS DWX1217-A DNX1540-A



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**VDR-V1000A** 

PCB-11

**MOTHER** assv 0000000000 0000000 00000 000000 0000 0000000 0000000 000000000 DWX1213-A CN503 CN2Ø1 CN217 w CN2Ø7 E CN215 DNX1534-B **EL** P22 VØ CN3Ø1 000 CN315  $\bigcirc$ 00000 1 2 1 . 8 0000 0 00000 0000 В 00000000 0053 · 40 · 50 · 60 · 60 · 64 33 · 60 · 64 · 64 0  $\bigcirc$ CN325 00 000  $\circ$ 000 1 101 . 1011  $\bigcirc$  $\bigcirc$  $\bigcirc$ 000000 00000 0000 0000 0 00 CN333 8 . 1 00000000 1 . 1

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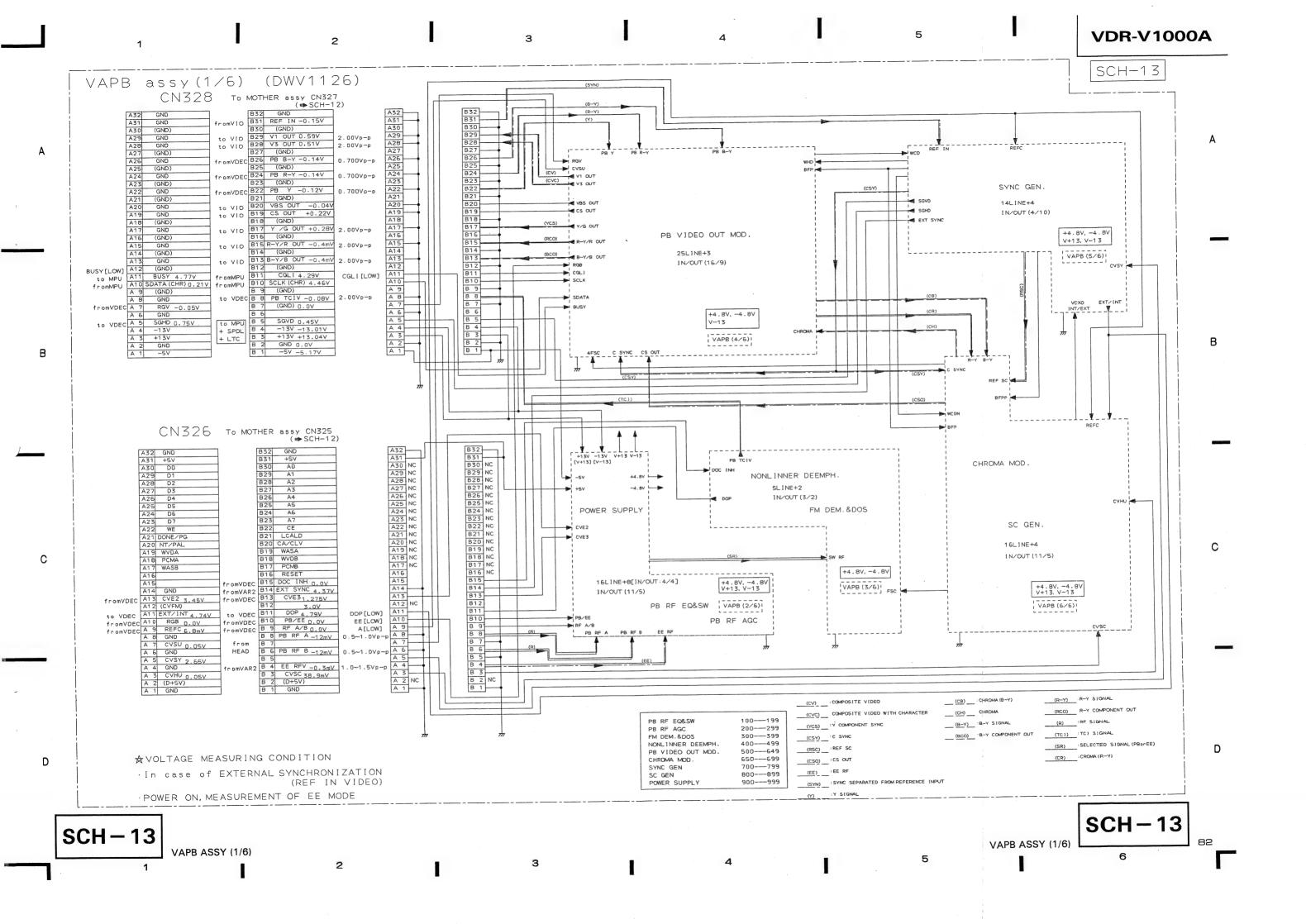
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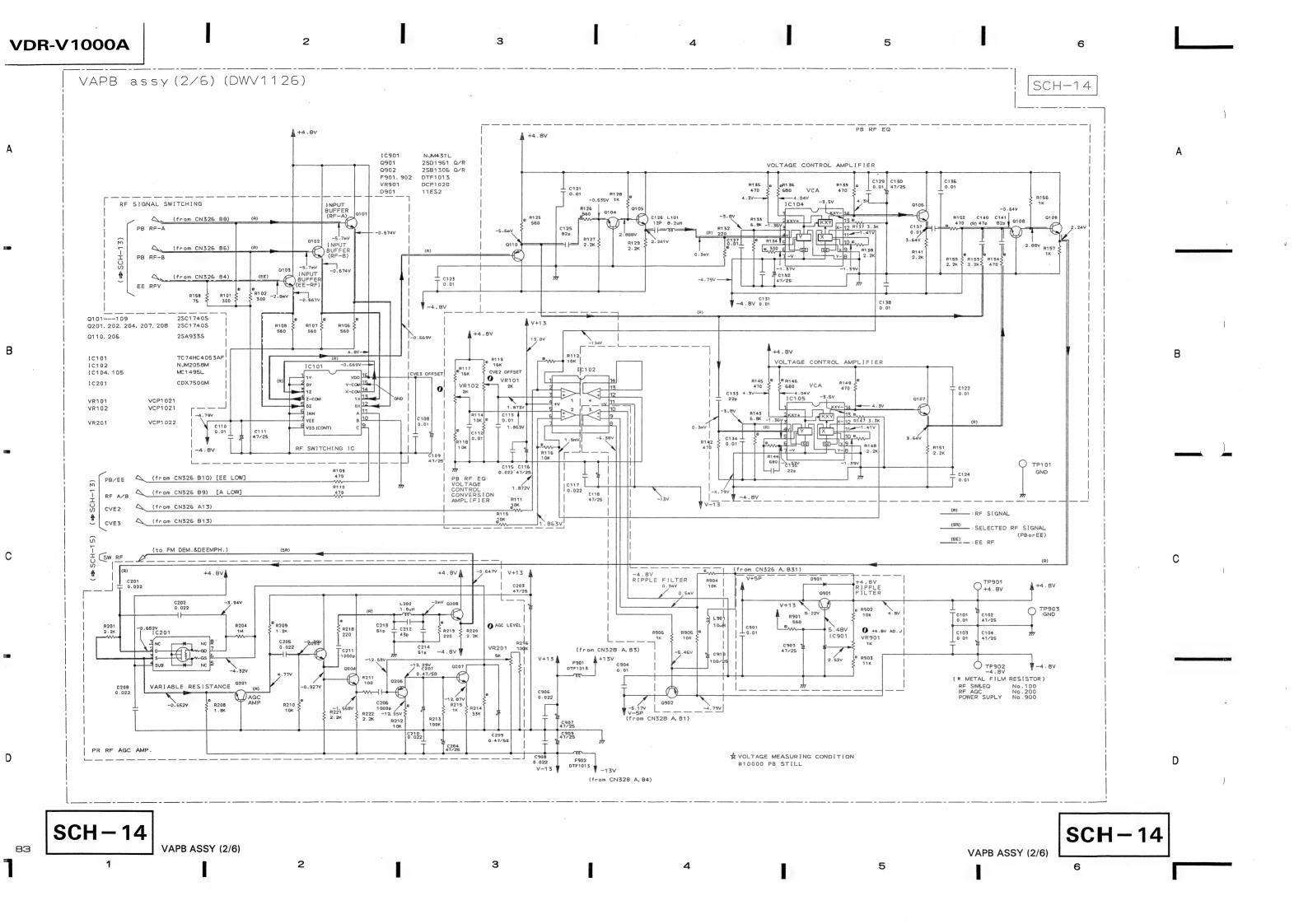
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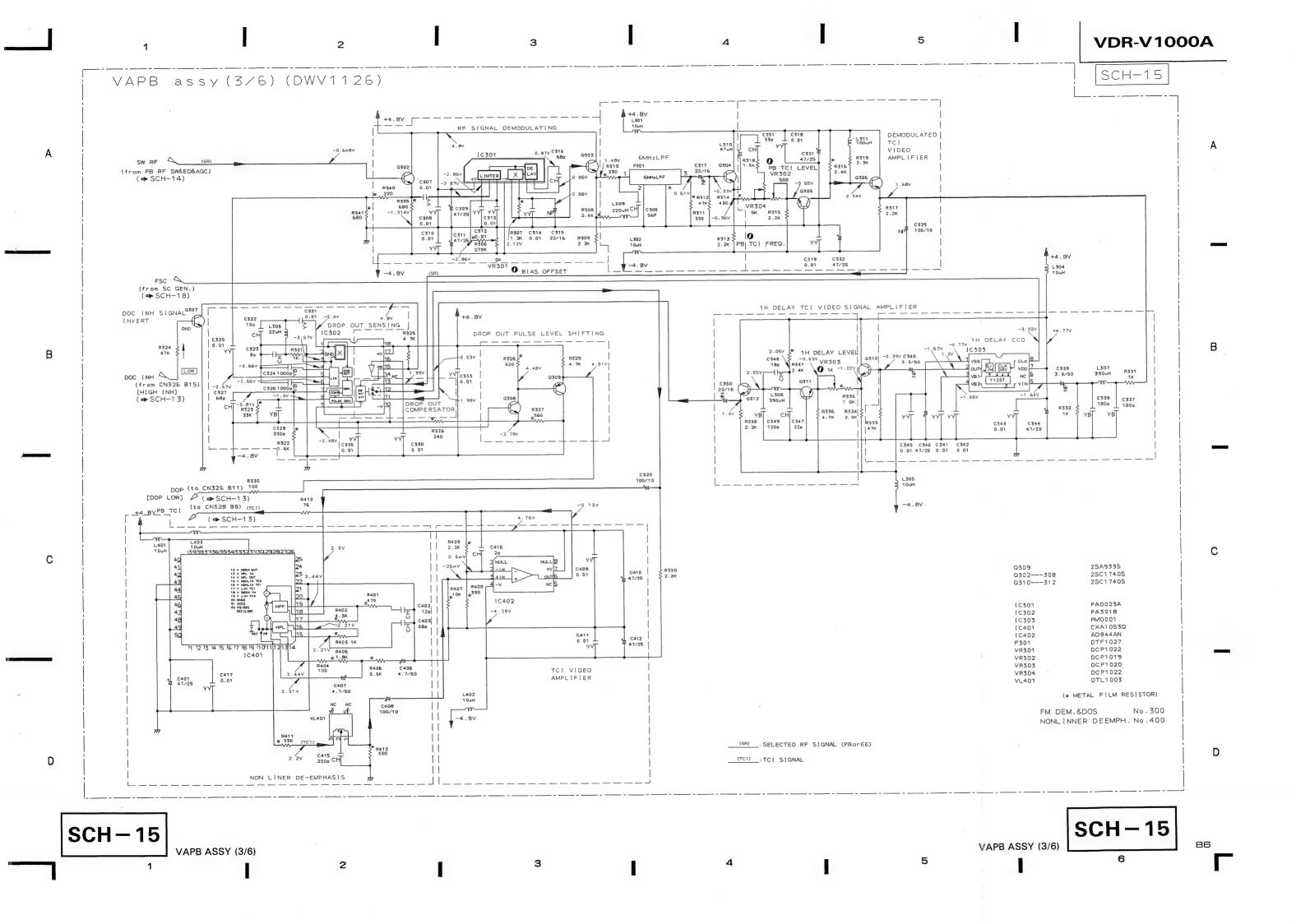
PCB-12

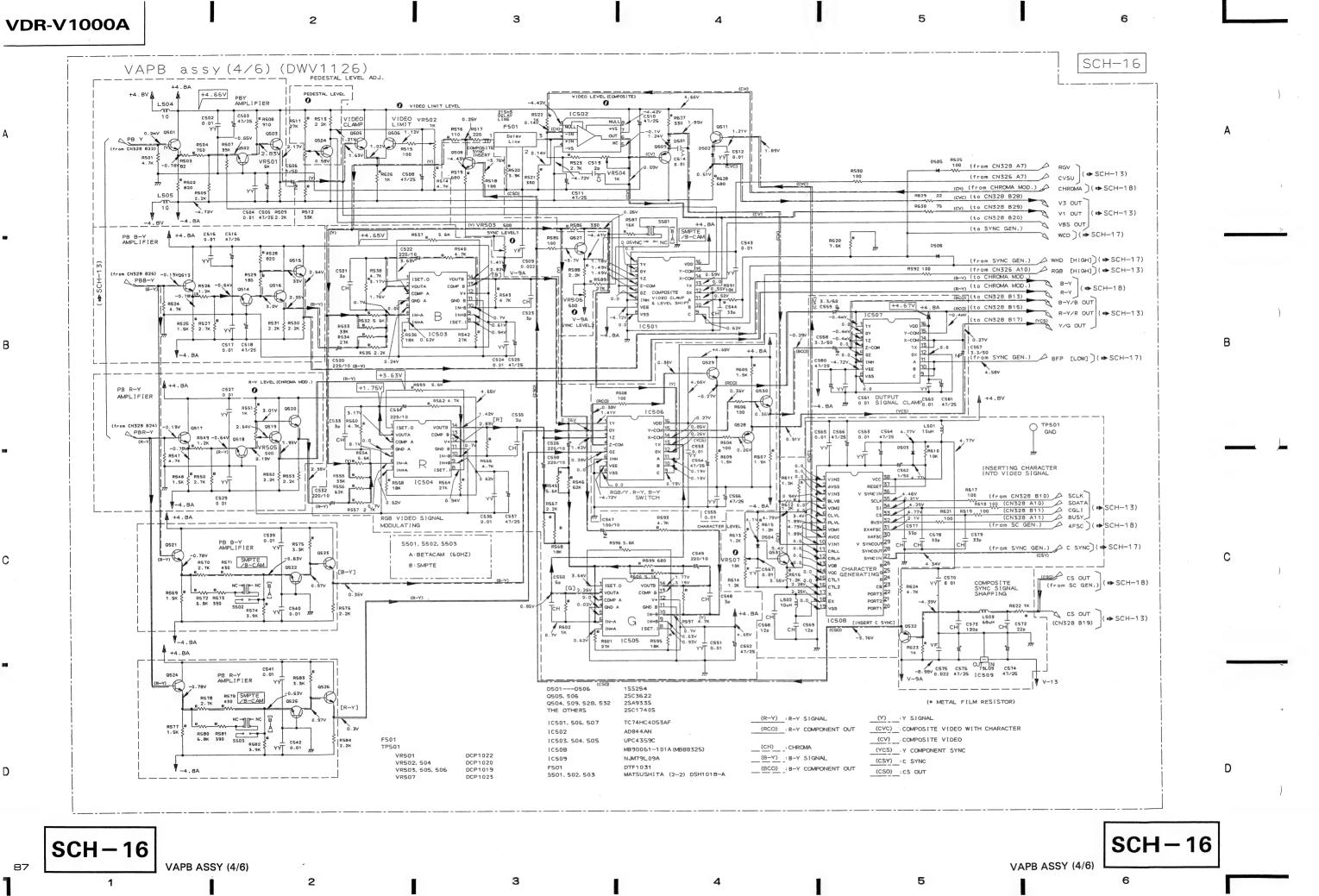
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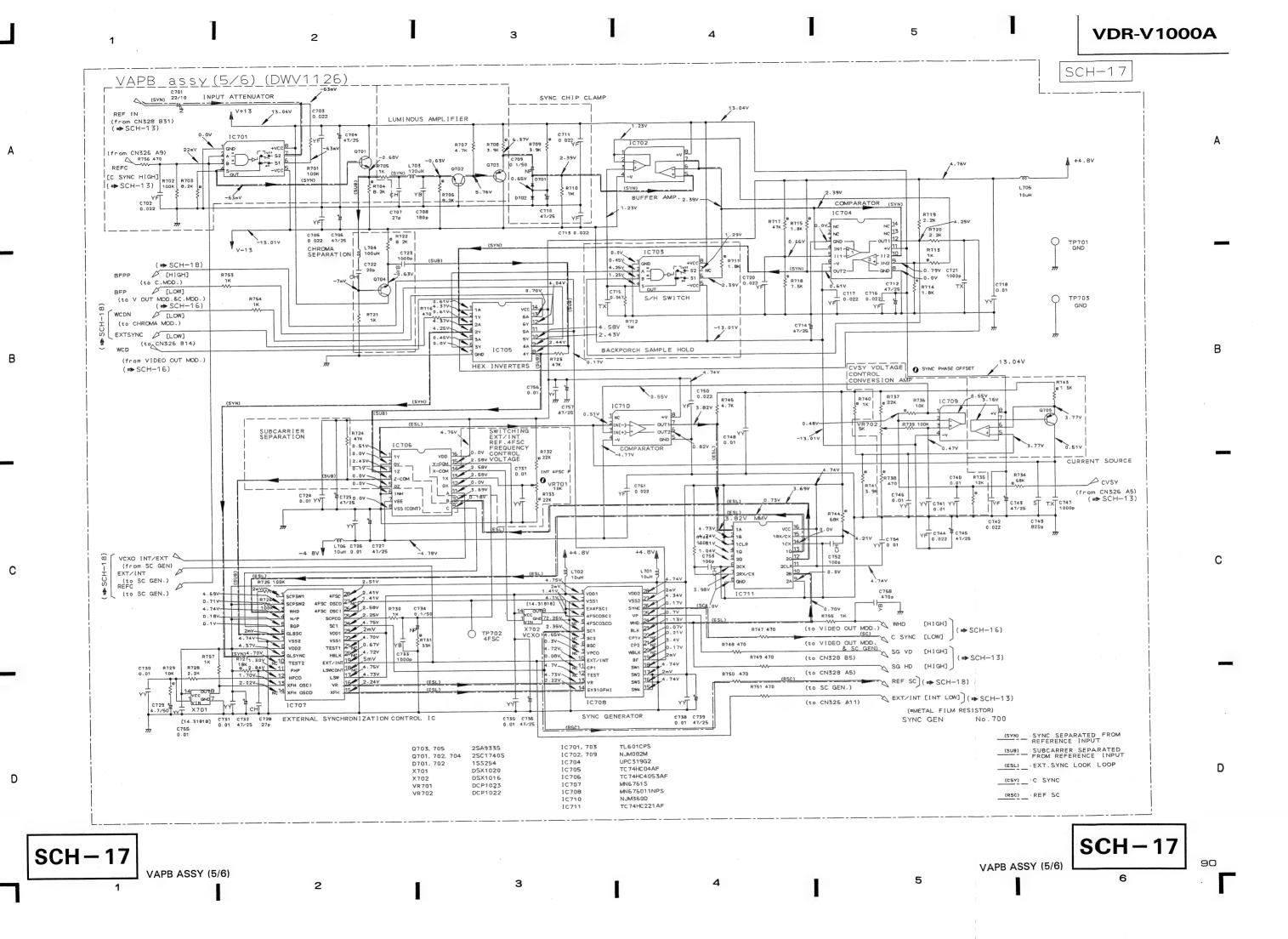
VAPB assy		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		)
Colored   Colo	VR504 Q502	IC701 IC702 A
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VR501 1C502 Q501 Q503 Q517	Q701 IC704
C   C   C   C   C   C   C   C   C   C	Q509	Q513 Q514 IC703
CS04   LEVEL 2   VFS05   CS05   CS0	VR505 Q504 VR506 Q505	Q703 Q704
0 0 P8 B-Y R829 0 0 0 C544 0 HO 8 J 3 R519 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VR503 Q508 Q530	Q516 Q702 Q515
0 0 0 25		IC705 IC708
10 O 10 1598 O 11 O 1588 O 11 O 1588 O 11 O 1588 O 11 O 1588 O 15		IC707
9 IC506 R558 000 000 R556 000 R747 000 28 10-10-10 10-10 000 R756	VR656 IC507 IC506	)
CVD	VR507	IC652 Q657 IC706
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		ь
0 0 07c578 0-1-0 5 0-1-0 0-4-0 R615 0532 0 0 0-4-0 0-4-0 R567 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VR/01 Q531 Q532	Q656 IC503
0 0 6M0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Q705
(OA) B (C564 S 5 0 R622 C 10-0 T 10-0 C 10-0	VR655 IC505 VR702 IC509	IC709
TP903 GND 0-15-0-0-0-0-0-15-0-0-0-0-0-0-15-0-0-0-0		Q654
C986 C988 TP901 GND TP902 +13V R654 0		IC651 Q653
100   100	Q902 IC40I Q90I Q307	1C711 Q308 Q652 IC302 IC710
Cigit   B 3 3 412	VR651	Q65I
0 0 27 R805 0 0 C416 0 0 1 14 R404 C487 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VR653   IC402   IC901   VR654	<b>C</b>
	VRIO2 ICIO2 Q309	
0 0   19   R358 0 0 0   19   R358 0 0 0   10   R358 0 0   10   R358 0 0 0   10   R358 0   R358	VR802 Q303	IC812 IC808 IC811 IC809
O O   S   O O   S   O O O O O O O O O	VR301 VR304 Q302	Q306 Q305 IC804 Q802
O O O O O O O O O O O O O O O O O O O	VP303 Q105	
	ICIO4 Q110 Q106	IC803 IC806 IC807 IC801 IC810
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q104 IC201  IC101	Q310 Q311
Column   C	1 0207	Q312 Q201
C   C   C   C   C   C   C   C   C   C	Q101 Q202	IC805 D
R182 0000	1005 0108	0803 0801
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CN326 6   5 DNP1523-A   GND 4		
1 2 3 4 5	6	

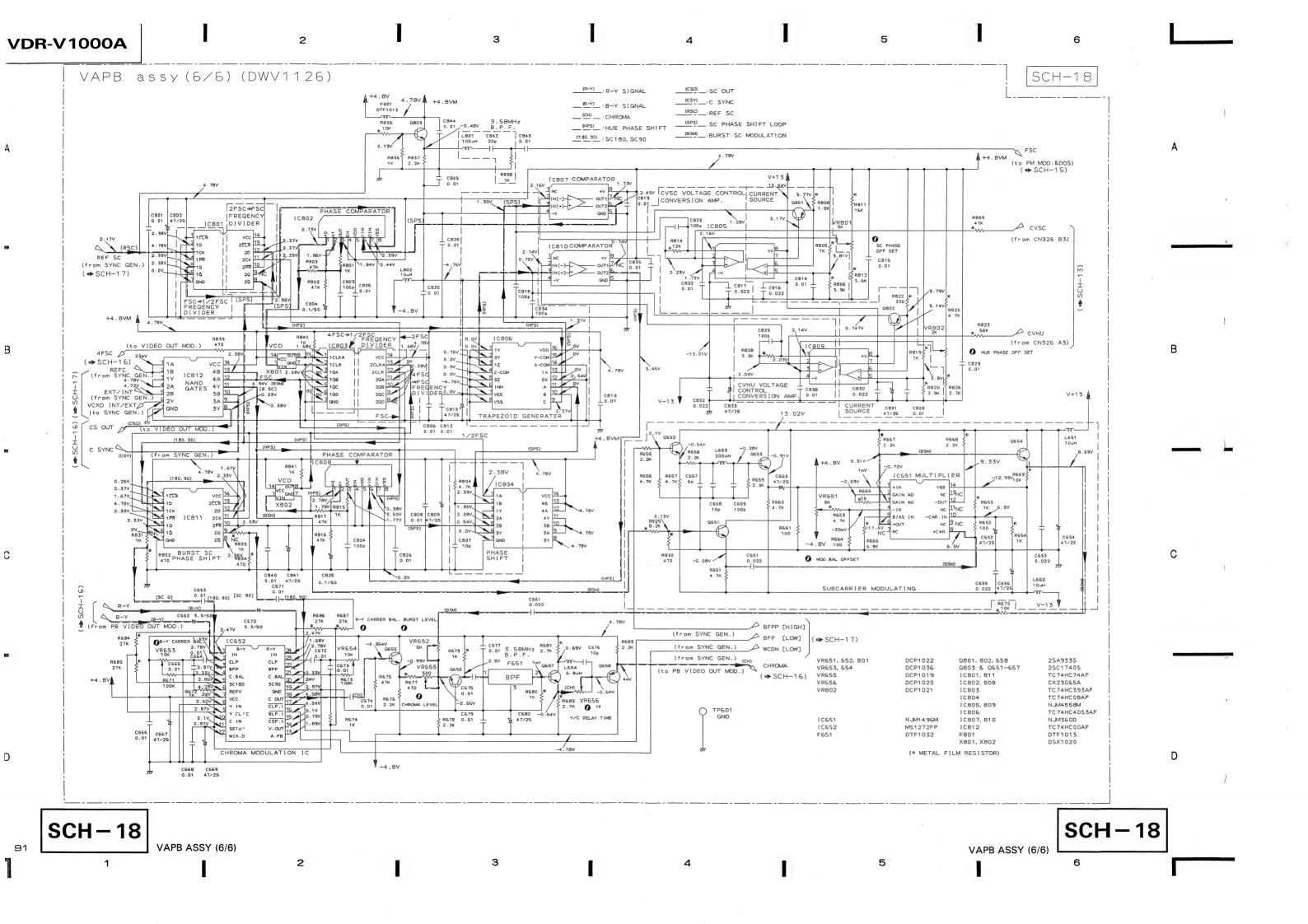


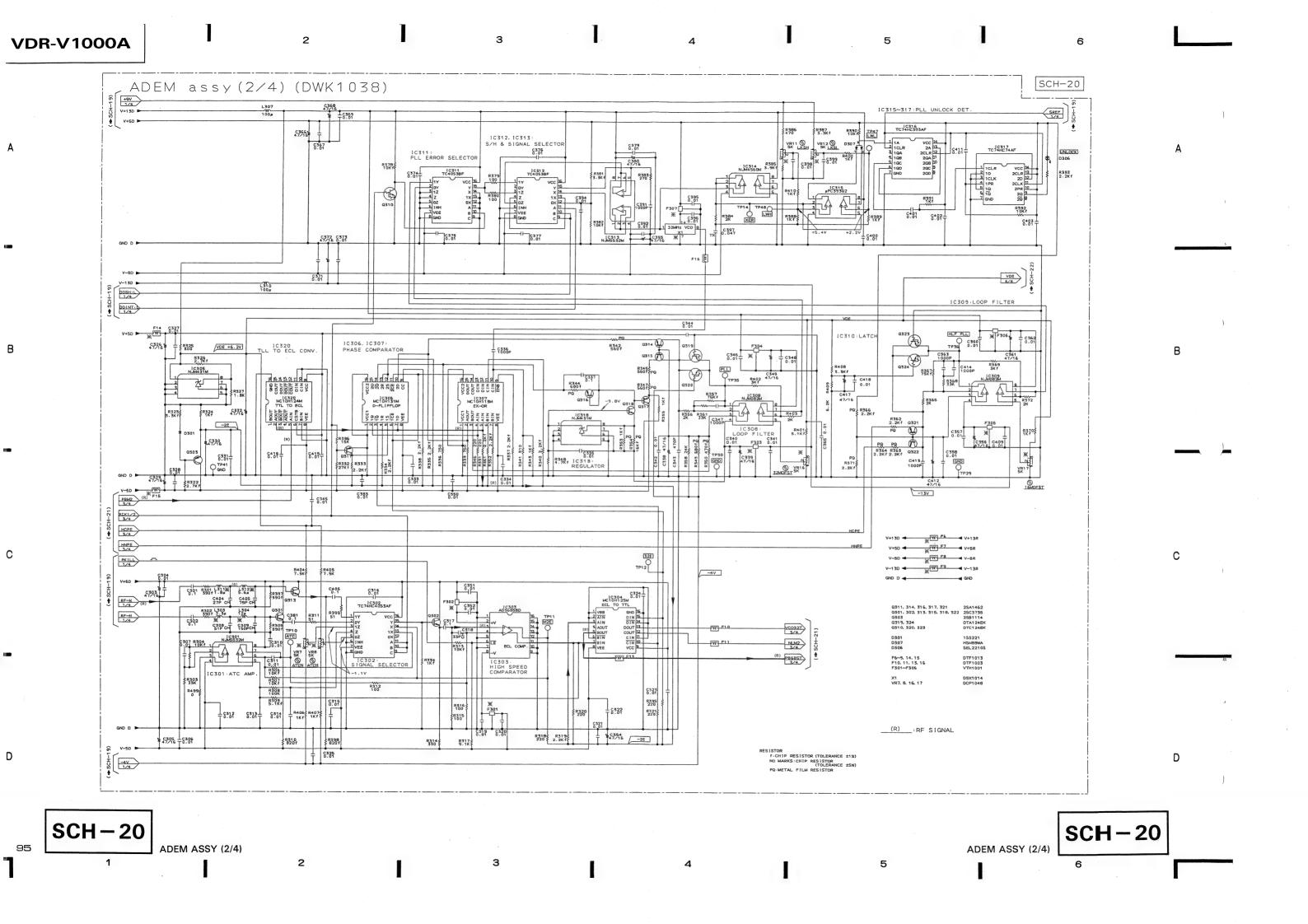


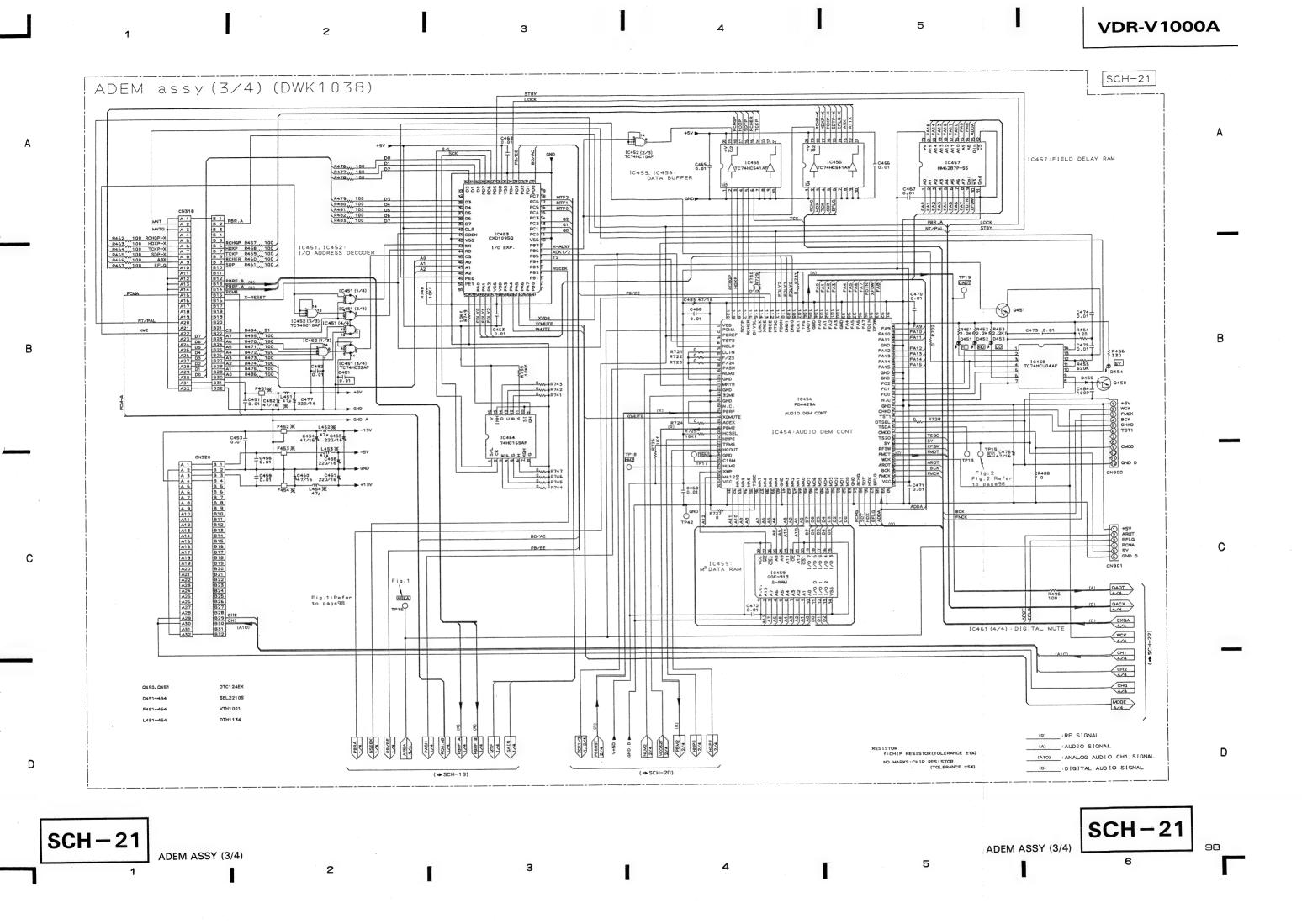


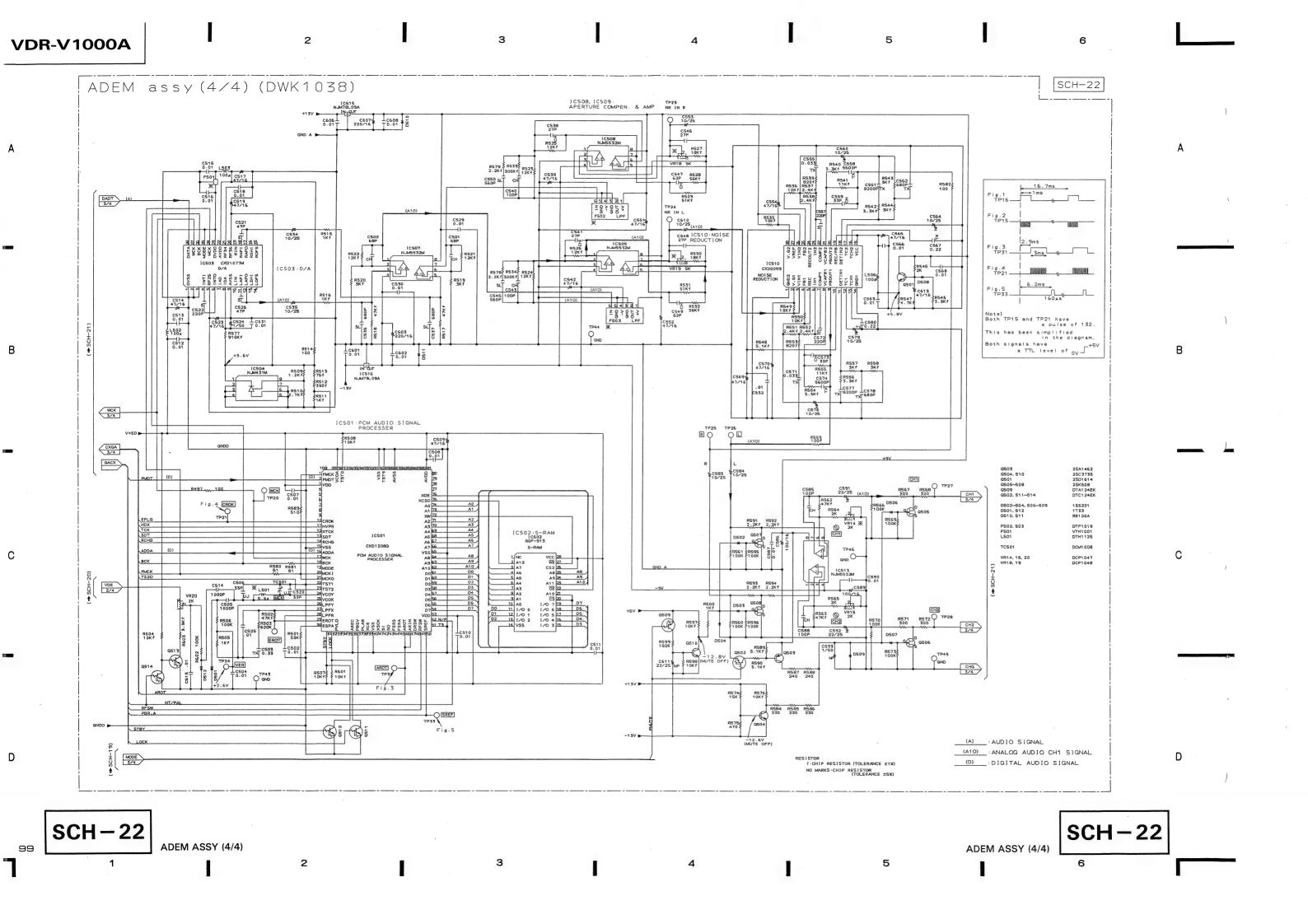












**ADEM** assv C478 0 ABCDE WCK R497 R488 R453 0-K-0 0453 0 R452 0-K-0 0452 0 252 C538 C538 C538 C538 Q45Ø 0-K-0<sup>D454</sup> ≿ R555 R552 C573 R551 0 0 0 0 C507 CB14 8 R573 C202 K K AK50 IC457 TC454 R519 TC507 TP21 CROK R542 R541 R538 R543 R540 R539 R366 0-\\-0 R362 0-\\-0 R363 0-\\-0 R364 0-\\-0 TP23 105Ø8 DADT TP19 IC459 C55Ø R579 R525 C54Ø R533 C538 R523 C413 Q324 R496 R731 IC309 0-10-00510 R729 R730 DNP1454-A DWK1038-A R357 C347 R361 R356 C343 R333 R332 C416 C415 o Q32Ø 9 o∕000 F14 0€00 F1 F9 0 0 0 F6 0000 o\_\_\_\_\_\_ F3 +13V +2A 4 -2A F8 0 000 R335 GCMK-18X F7 0000 R358 L126 F10 2000 Page 1838 L107 C333 R349 O-VV-O R3500-V-0 R401 C385 ICI 10°C R339 R346 R331 R351 R352 O-VV-O R344 R226 C482 IC452 Q314 .Q316 R229 0-VV-O C334 C35Ø Q315 Q317 D208 Q317 R345 R345 R348 C335 C335 C335 C337 0305 -311 .312 1C381 C318

94 C311

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R388

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R389

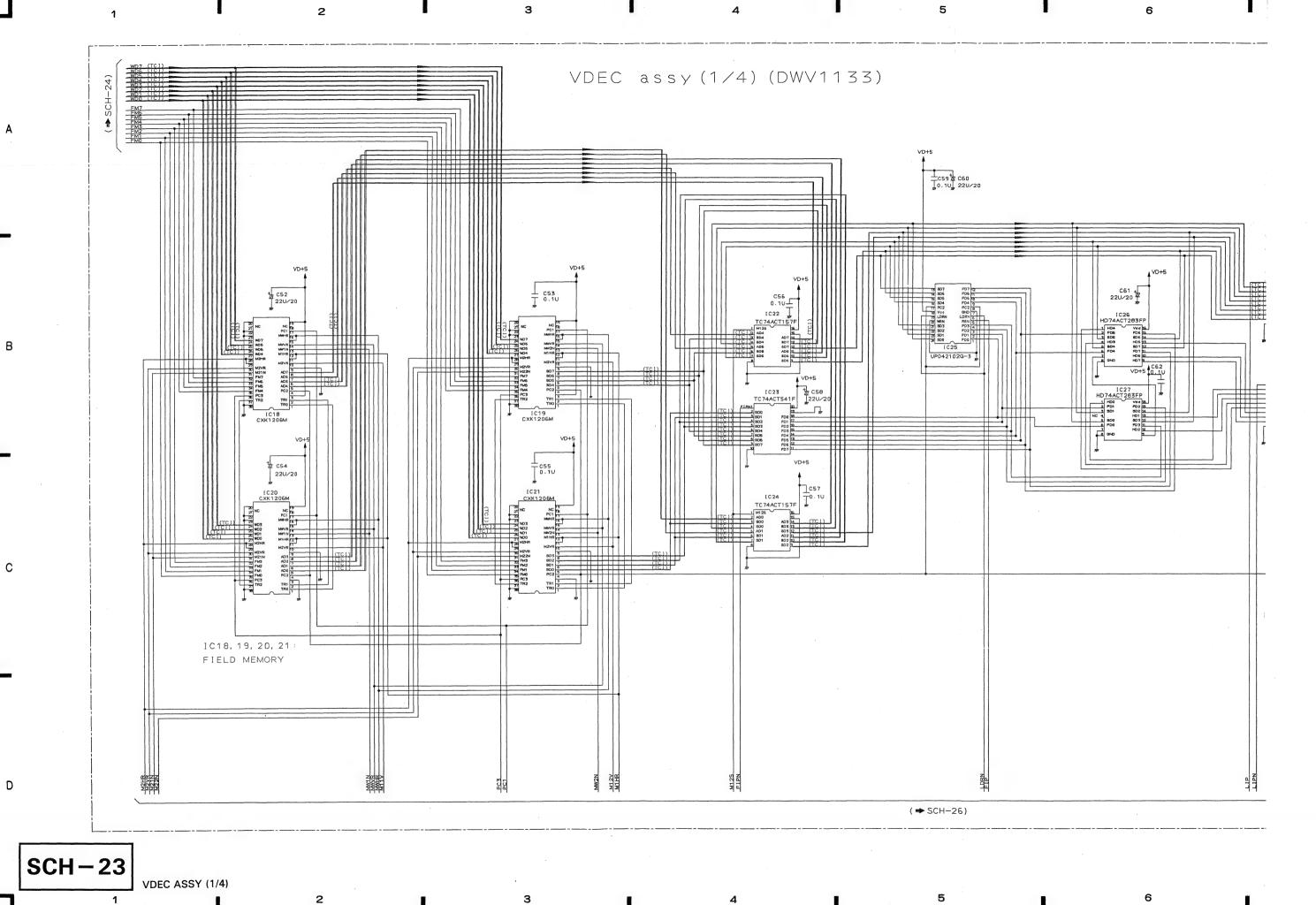
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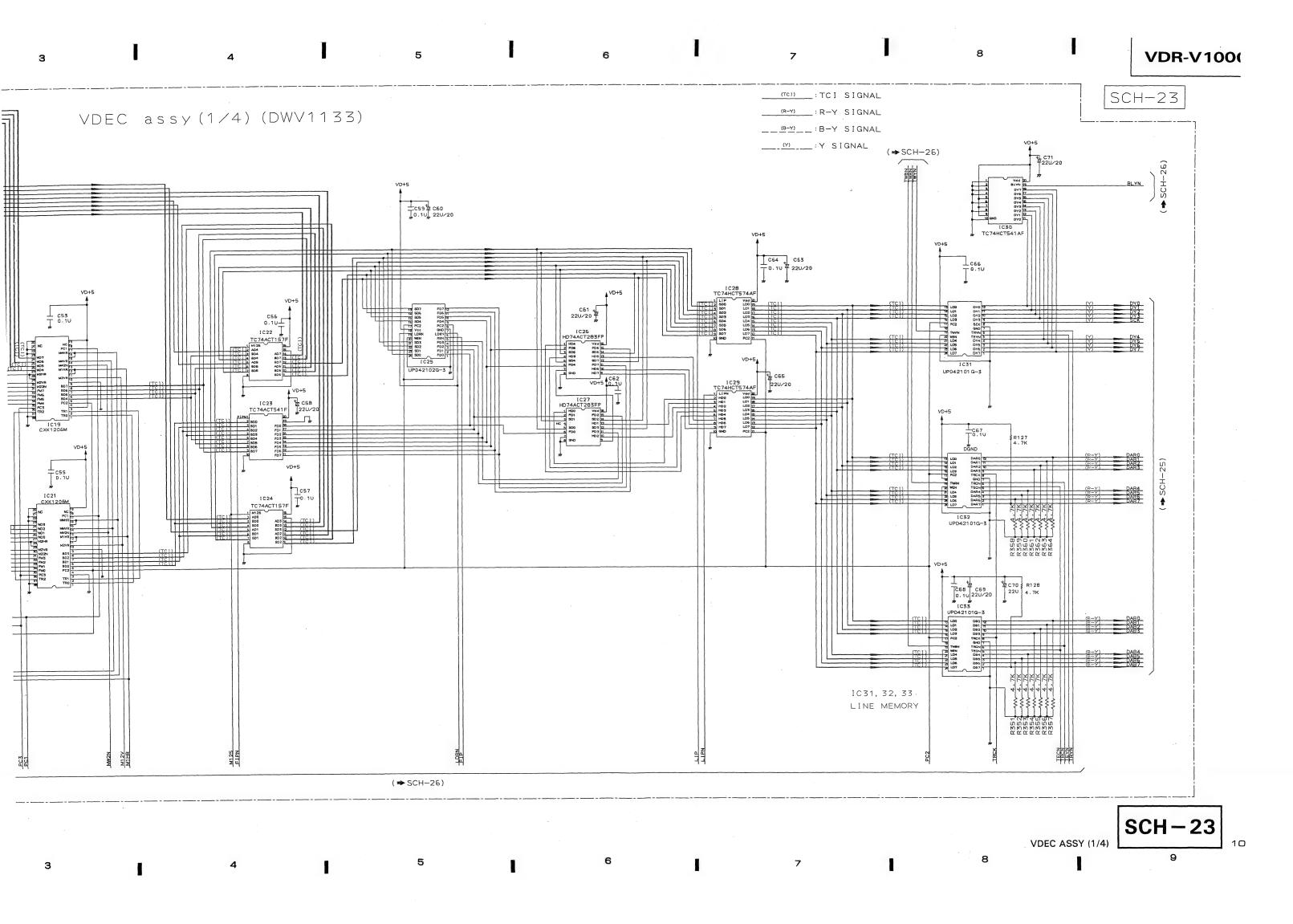
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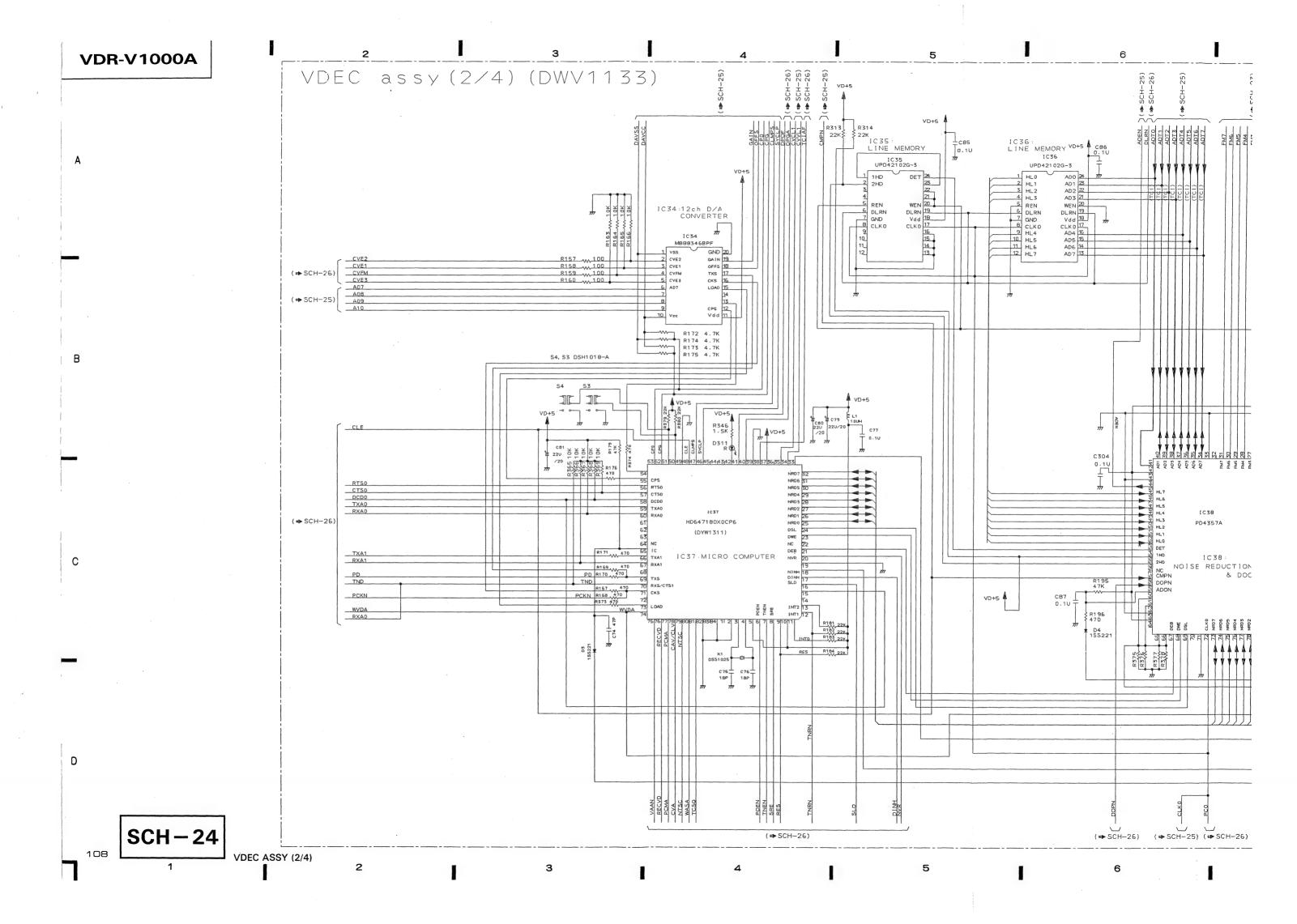
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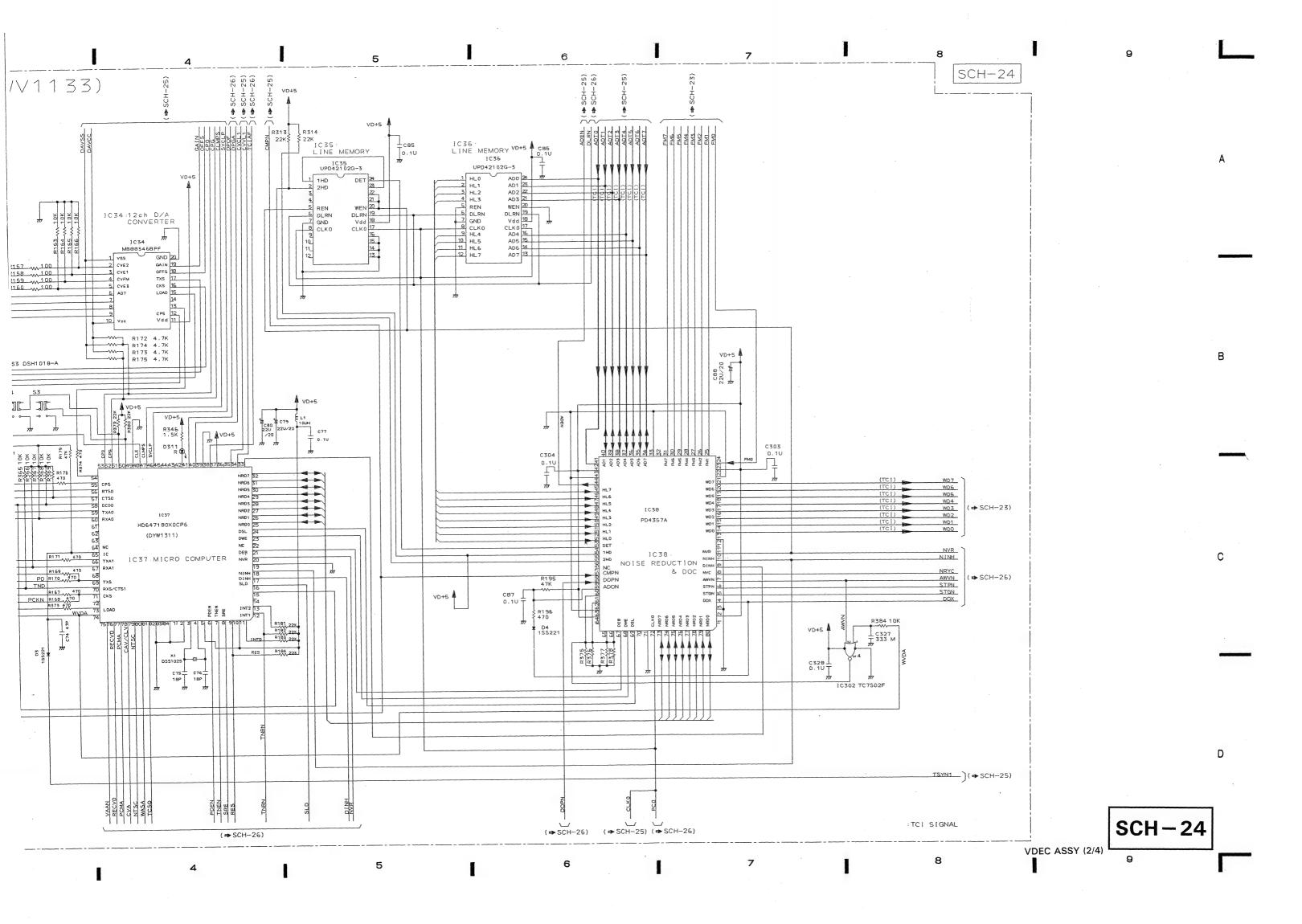
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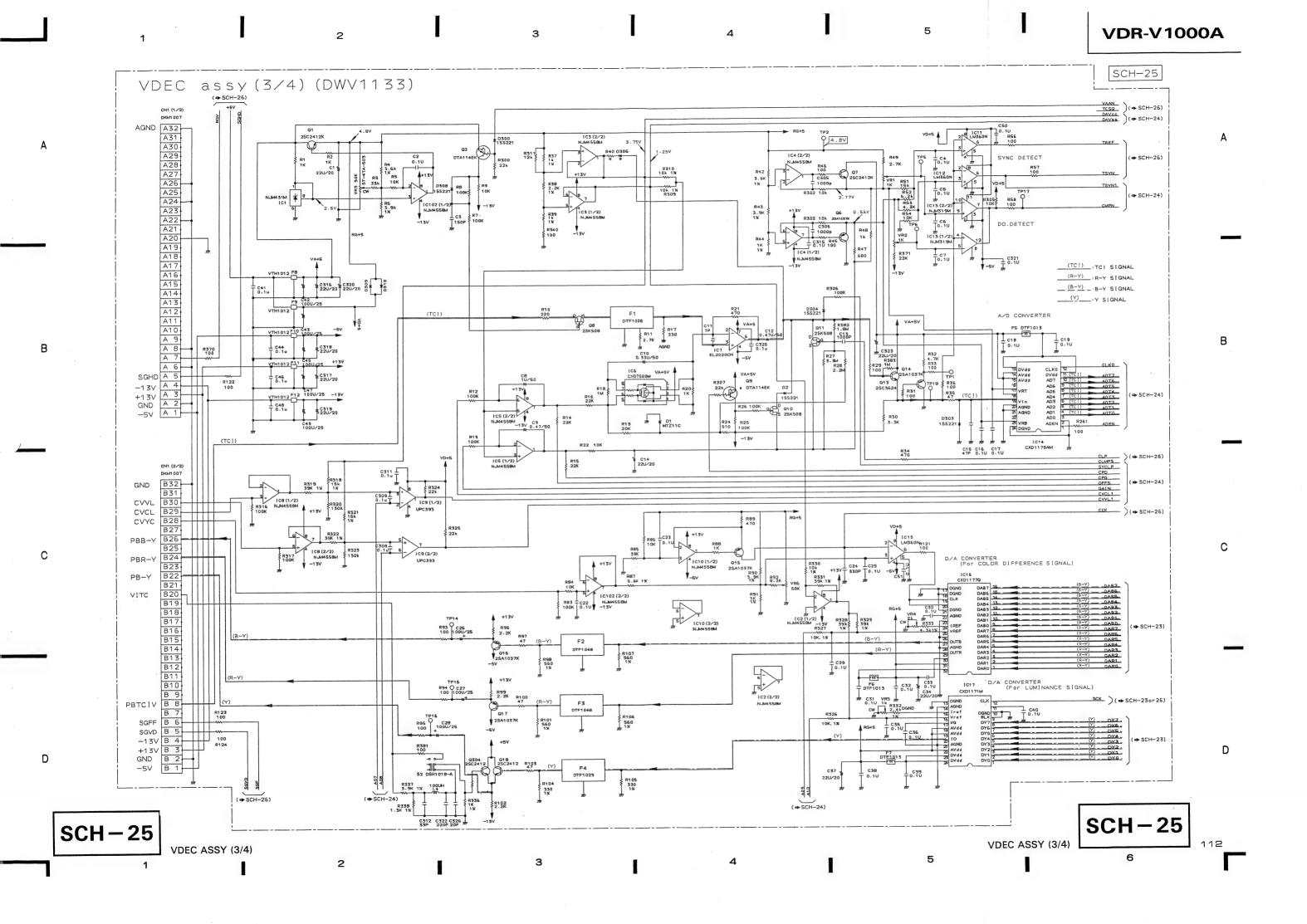
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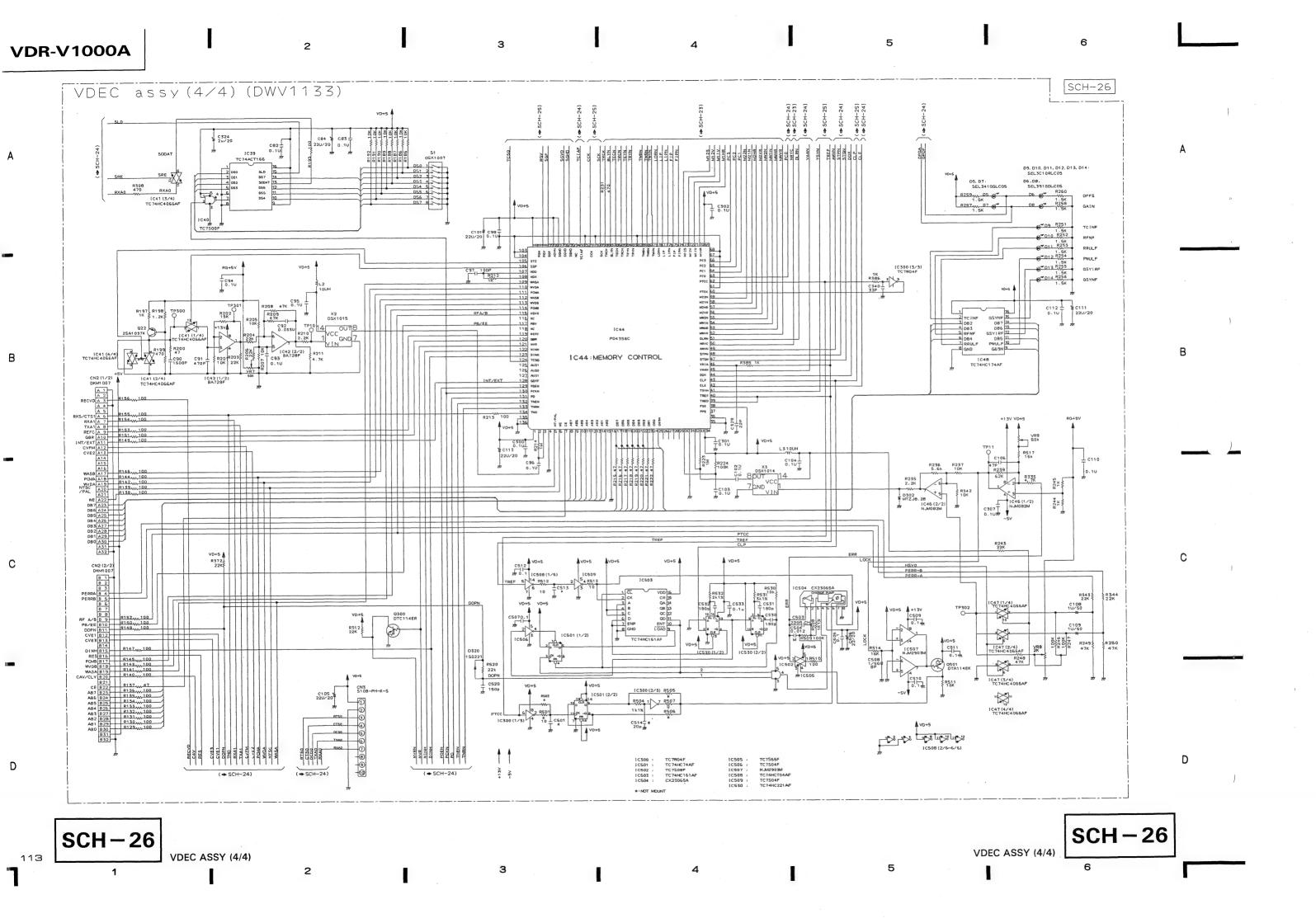


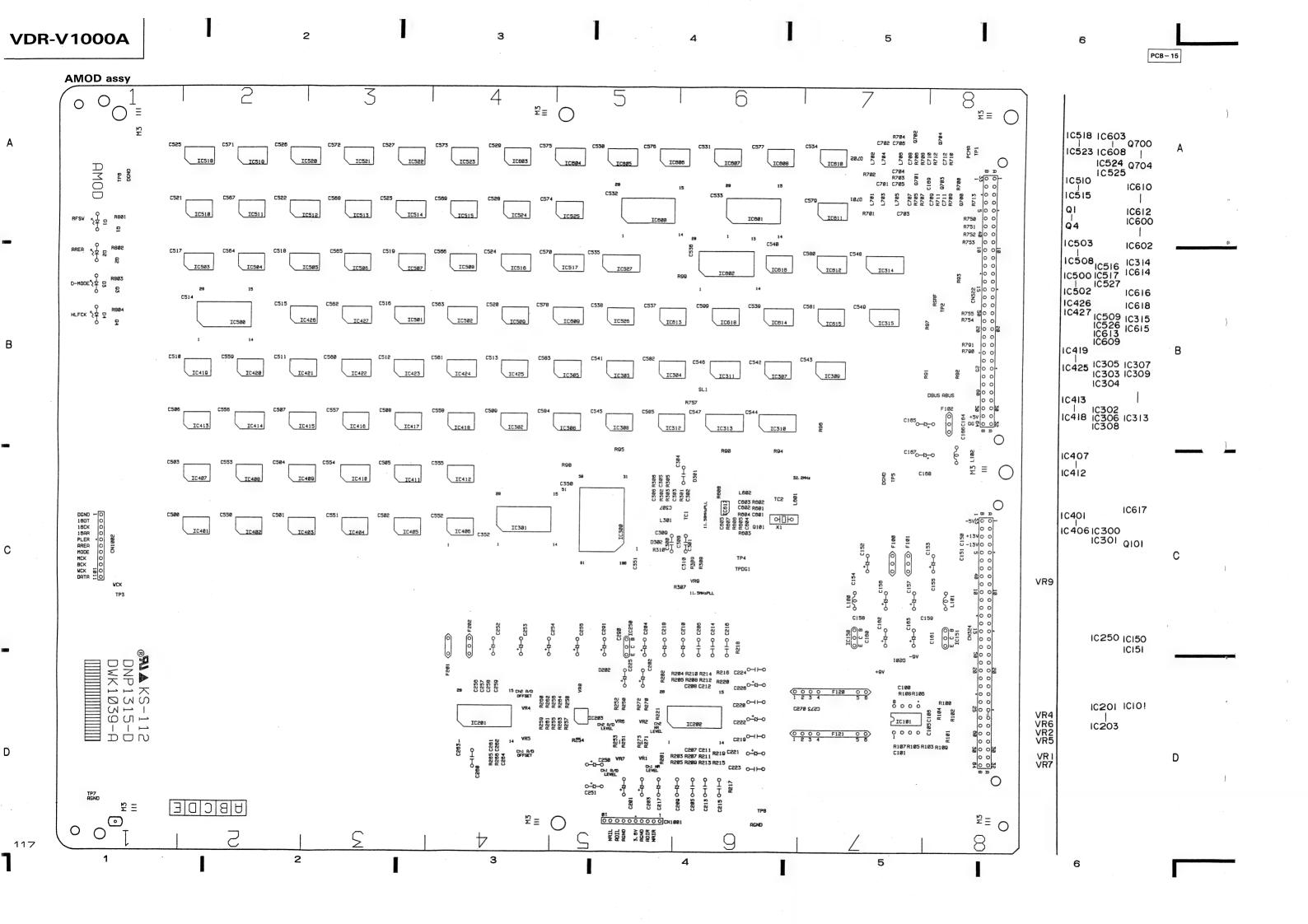


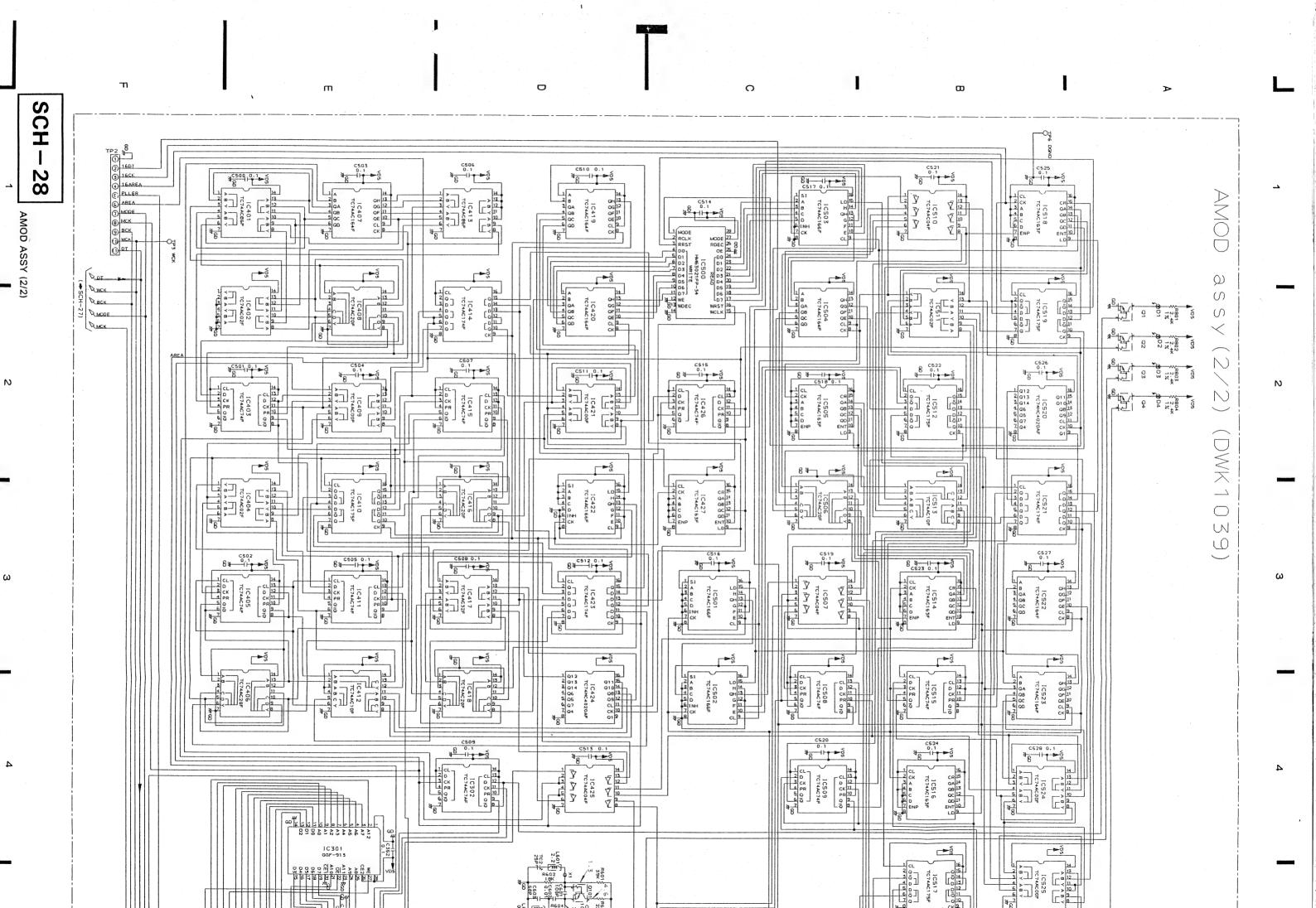


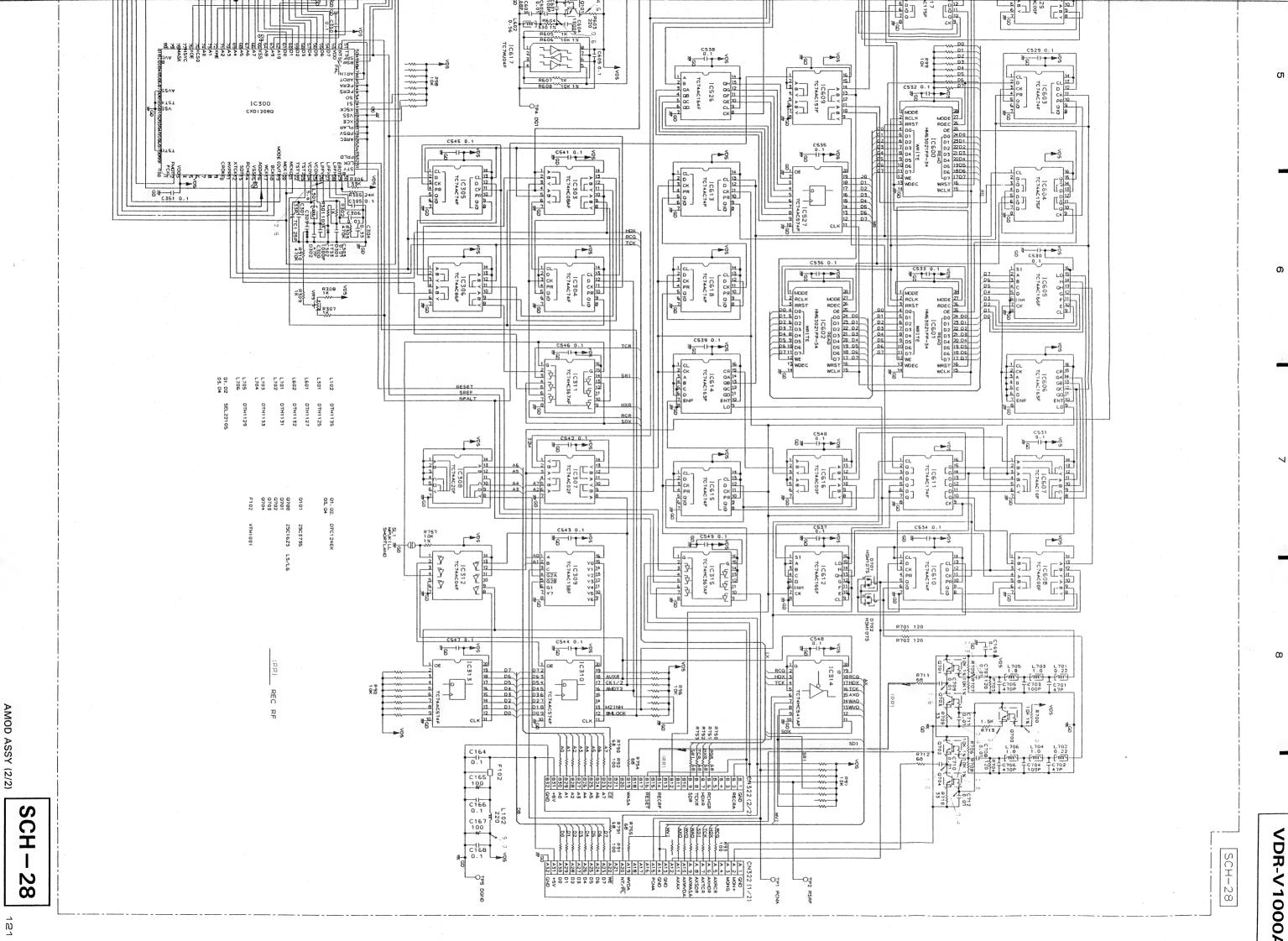












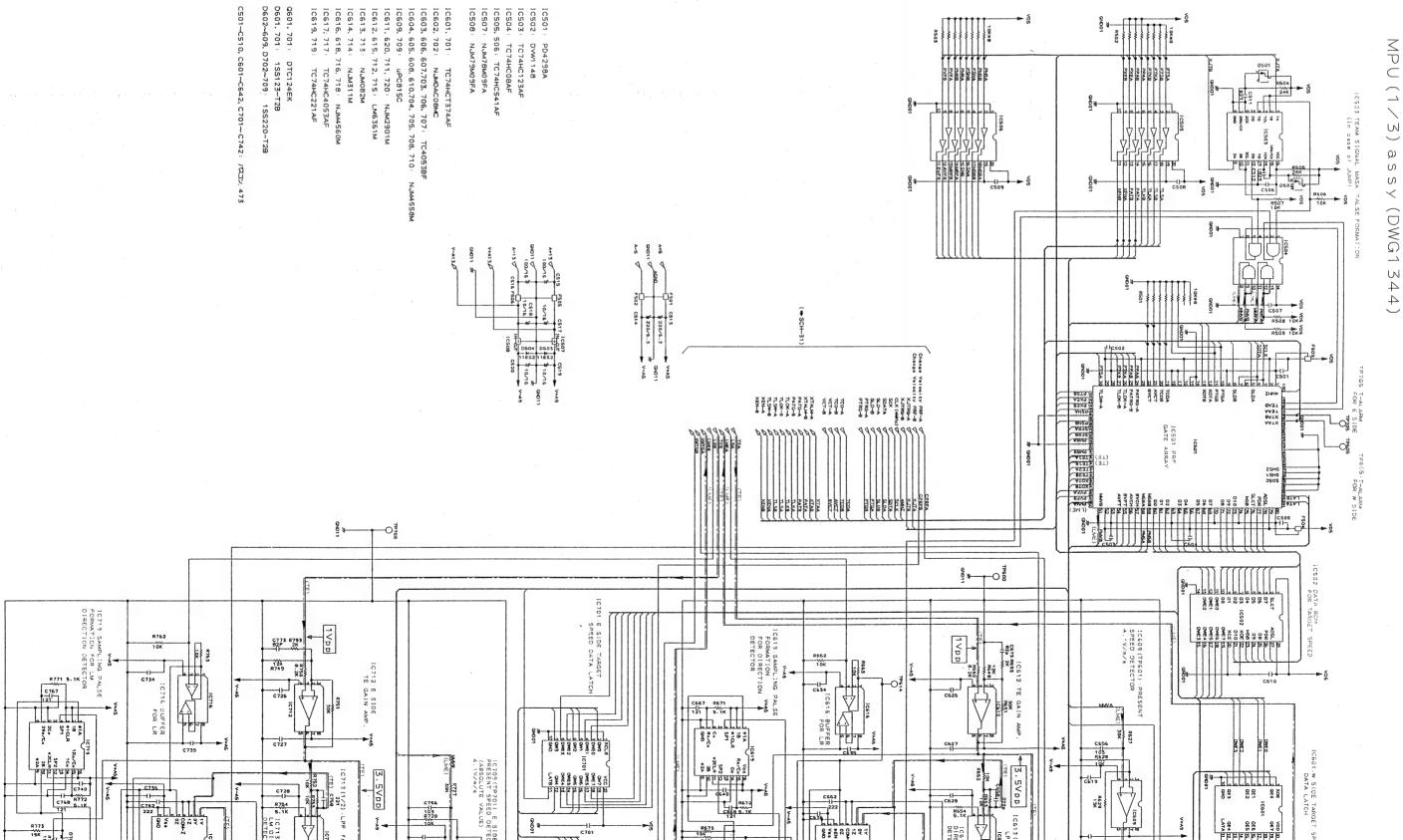
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4.17 MPU ASS

(DWG1344)

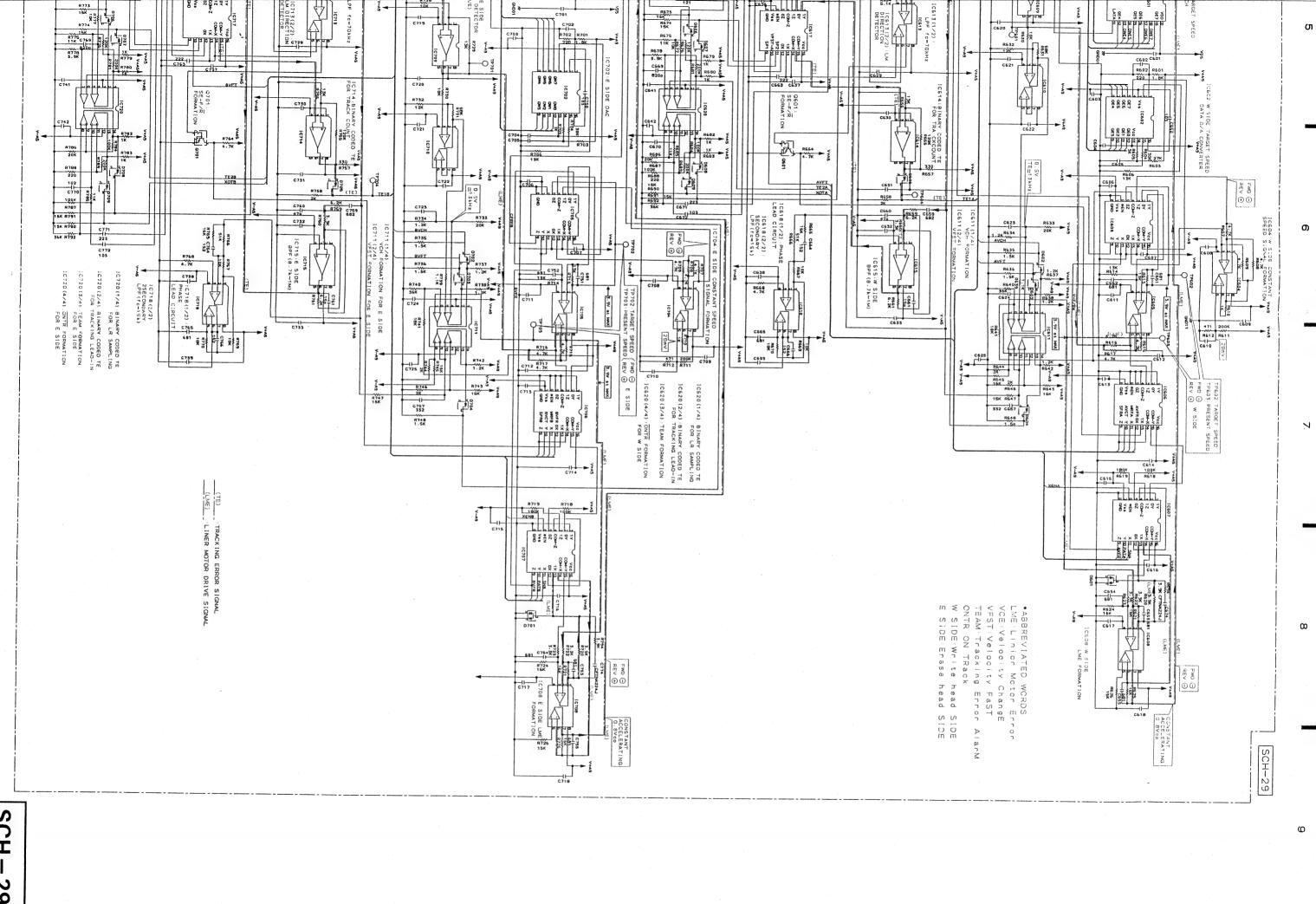


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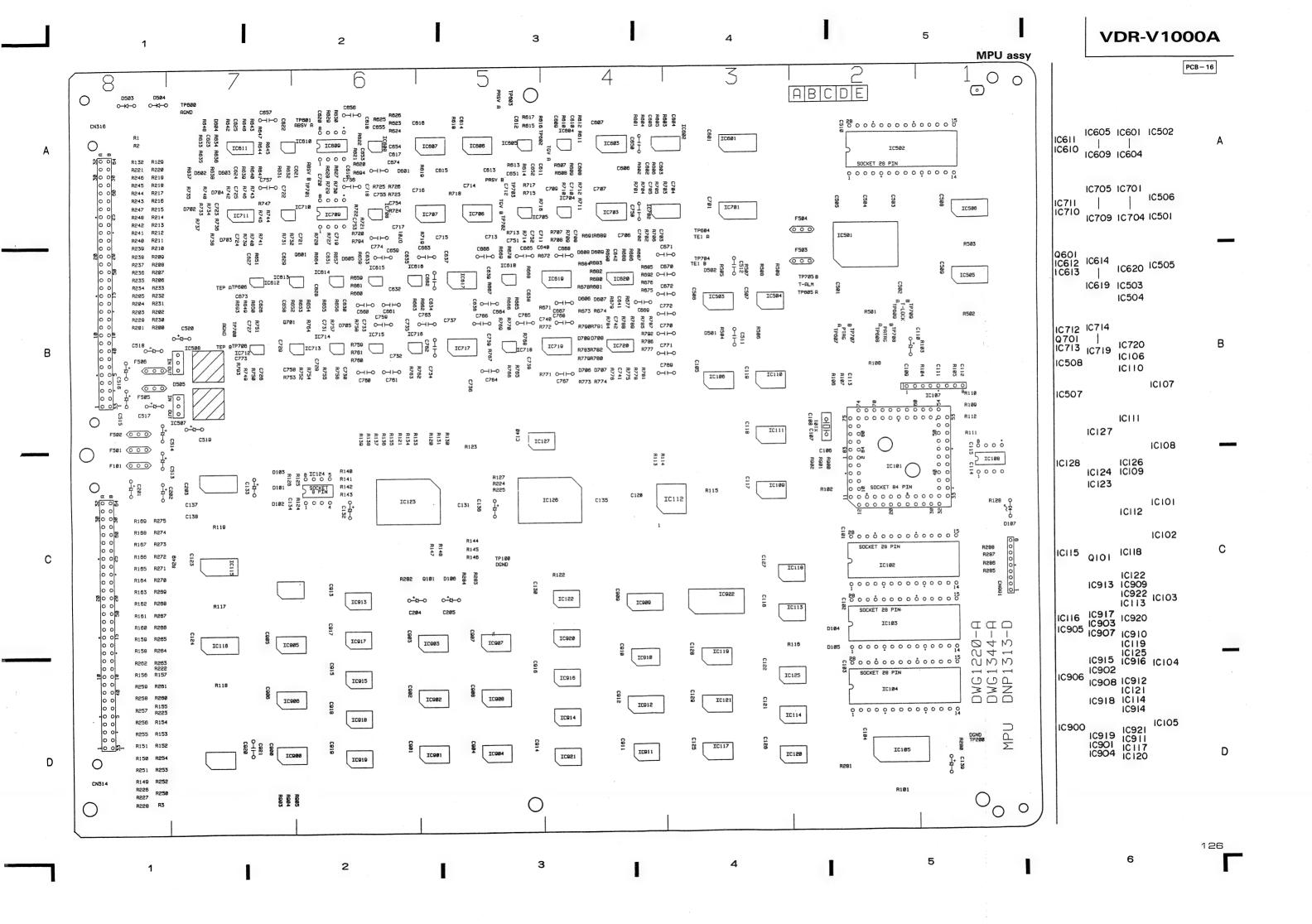
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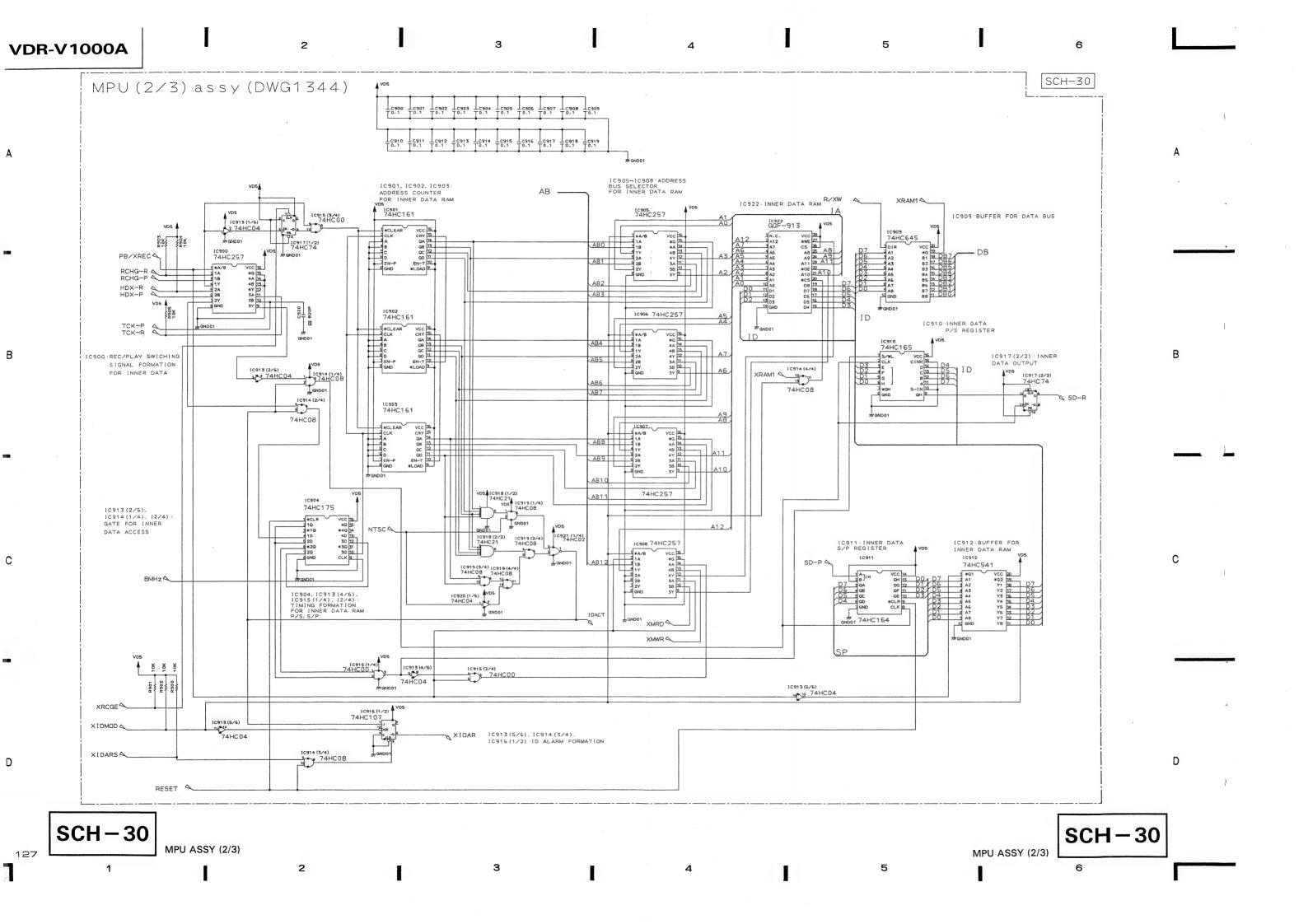
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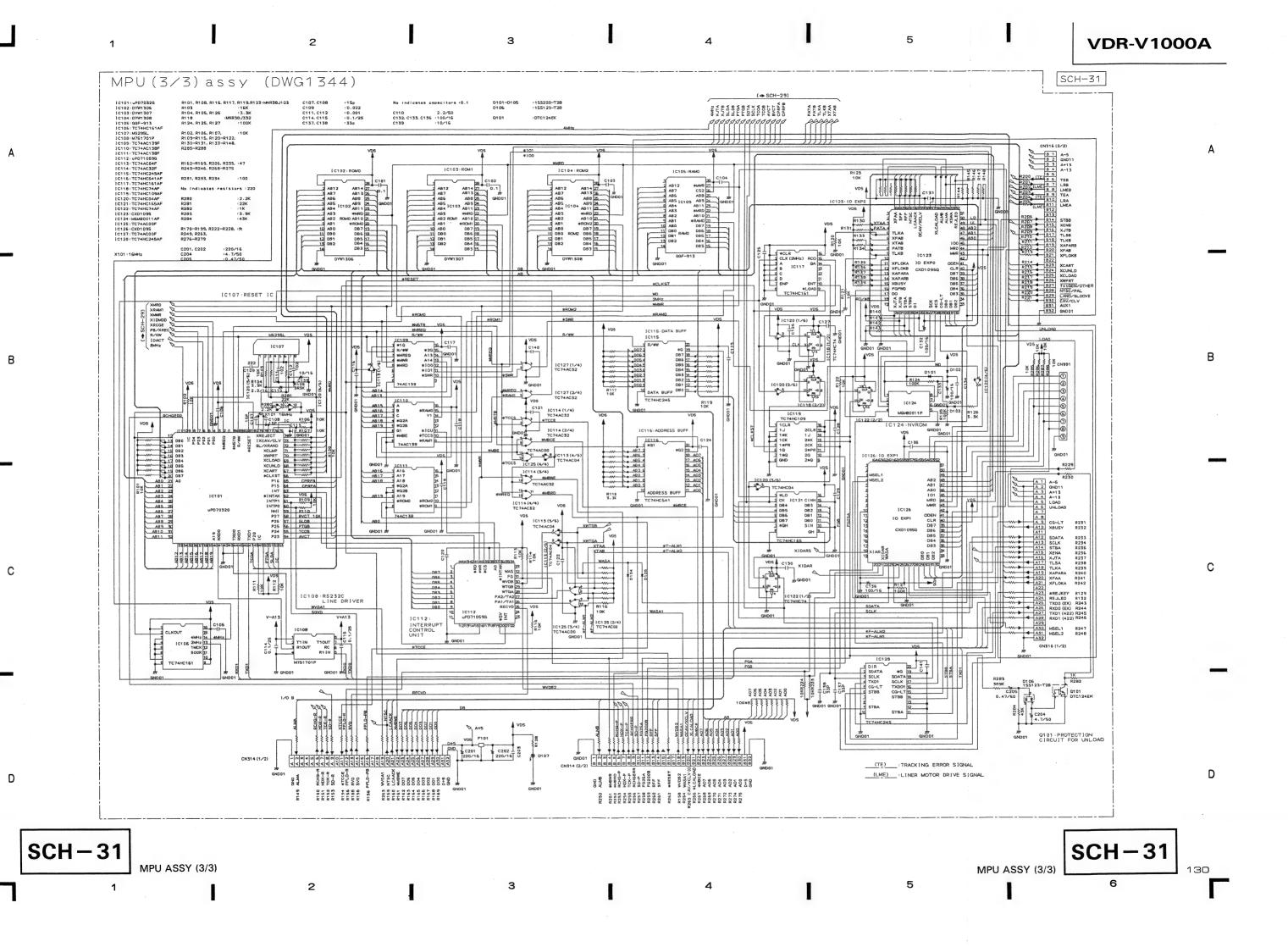
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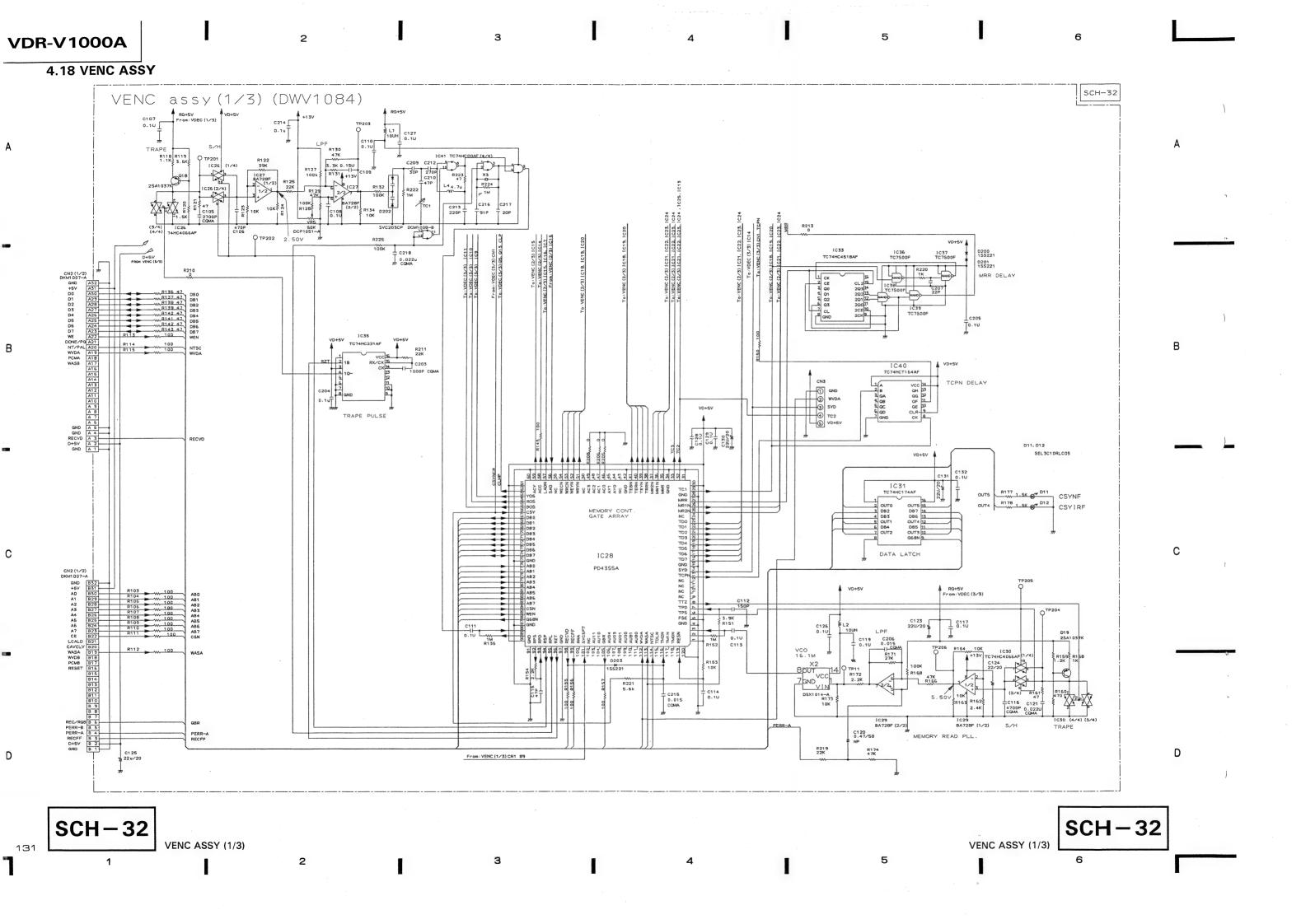
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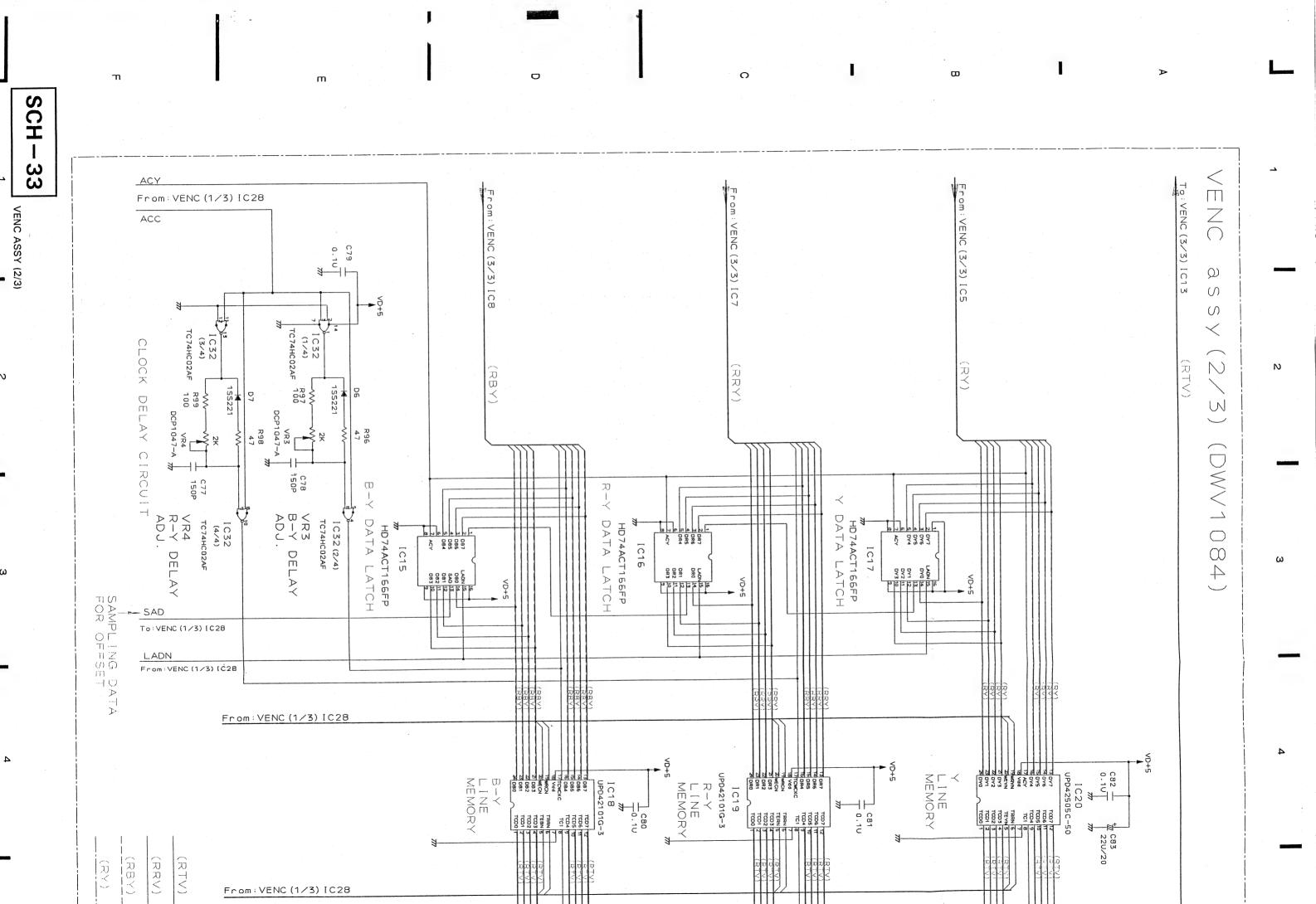
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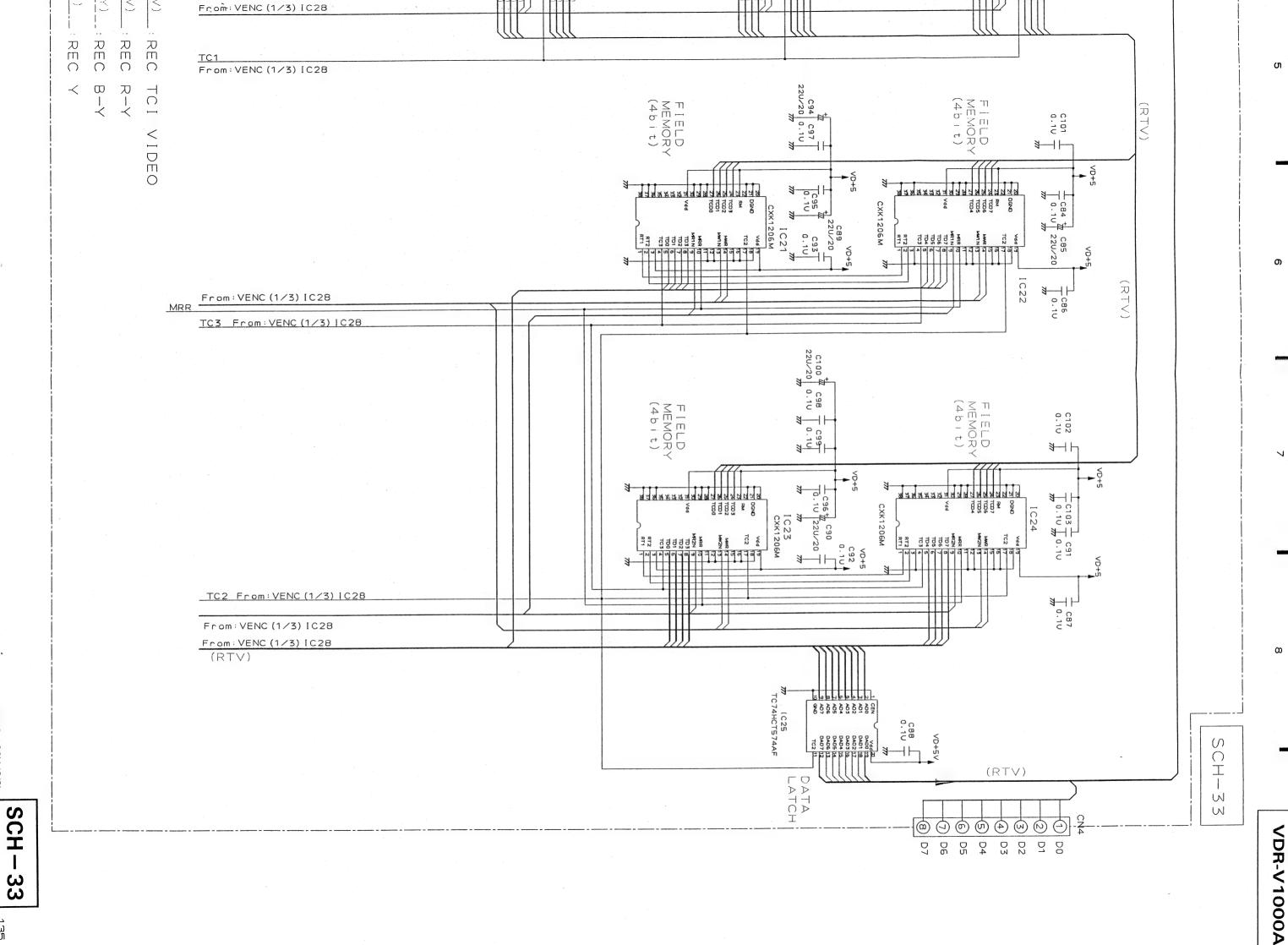










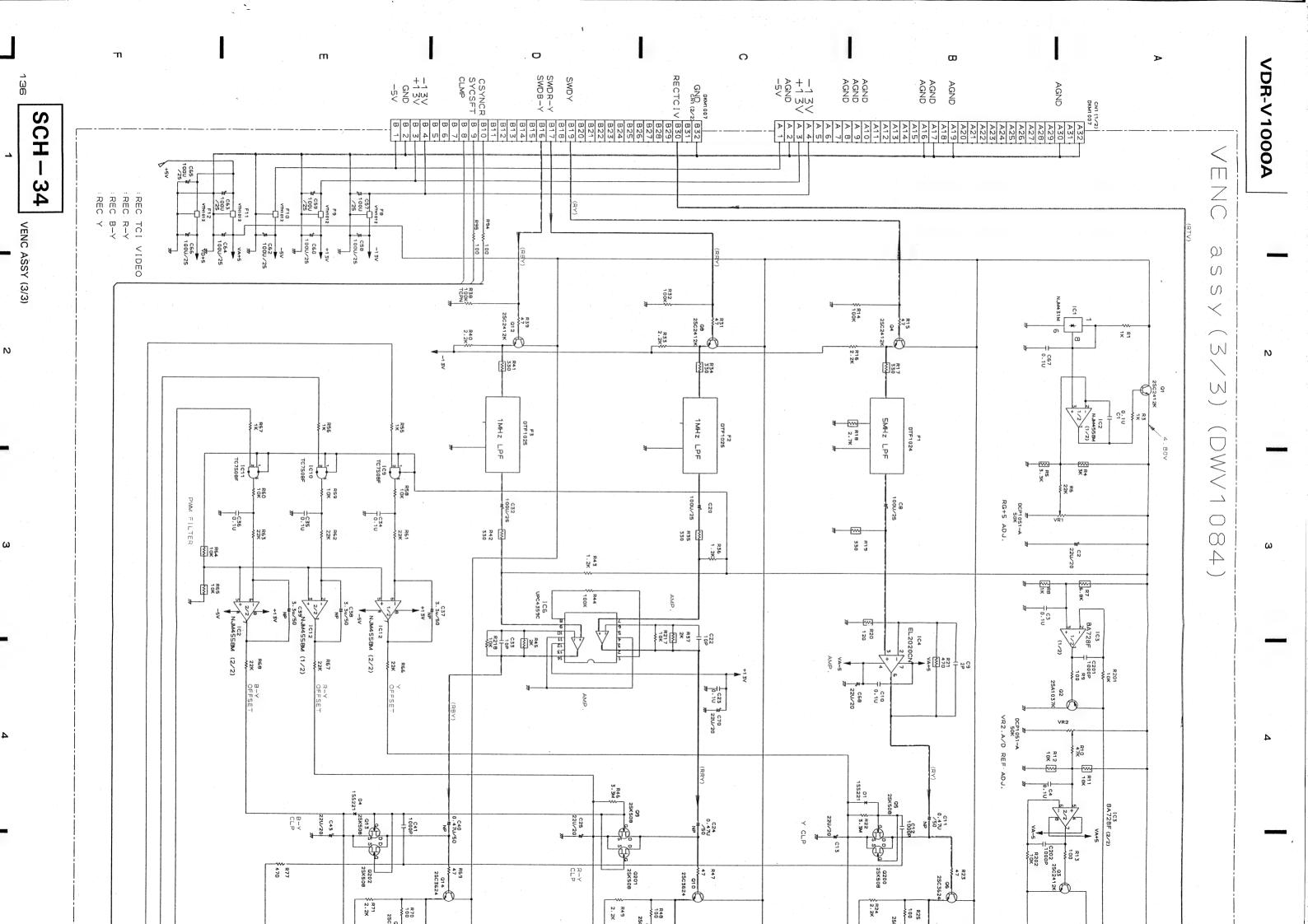


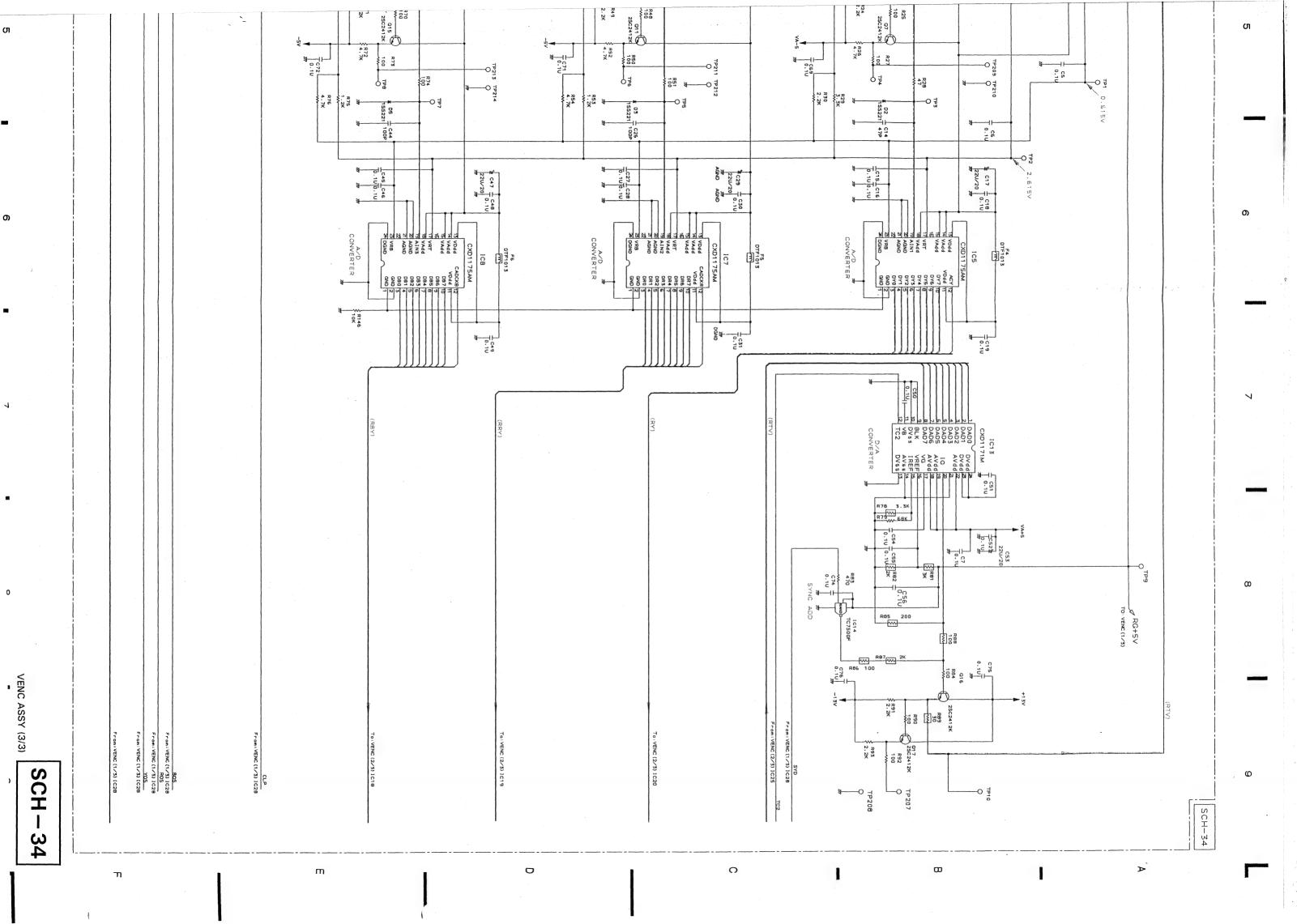
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VENC ASSY (2/3)

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**VDR-V1000A** 

VDR-V1000A

PCB-18

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SPDL assy 4  $\circ$ IC214 IC216 0 IC219 GNDD 0 0 0 0 0 0 0 16 0 0 0 0 0 0 0 TC209 V+5D 0000000 16 0 0 0 0 0 0 0 0000000 00000000 0000000 GCMK-41X 0 8505 BS01 800 0 0 0 0 0 0 0 0 0 0 0 0 0 7 1 IC2Ø3 7 R245 0-0-0 R260 0-0-0 R259 Dooooooo 80 0 % C5@5 GNDD R243 0000 R259 R242 0000 R257 R241 0000 R256 0000 R255 0000 R255 0-11-0 ICS05 16 0000000 20 10 10 0 0 0 0 0 0 0 0 0 0 0 0 R239 0-000 0-000 R254 0000000 00000000 R238 0000 R237 0000 R252 ICS08 V+5D 0-0-0 C203 GNDD R204 0-0-0 RE62 O-M-O D2Ø4 V+50 R2Ø5 V+50 IC220 14 0 0 0 0 0 0 C212 0110 14 0 0 0 0 0 0 0  $\circ$ IC101 8000 0000000 0 0 R234 0-00 0-00 R247 IC103 0000009 14 0 0 0 0 0 0 0 IC104 0 0 0 0 0 0 0 0 8000 IC207 R231 0 0 R246 0-V-0 00000000 C109 8000 1 2 V+5A 8000 IC206 0 0 0 0 0 0 0 R141 OHHO
OWO C115
18 OOOOOO 000000 ABCDEF DNP1330-C DWS1140-A 000000000 IC106 DWS1190-A R109 R108 10201 10202 10209 IC203 IC214 IC212 IC2I5 IC2II IC219 10216 10213 10210 10207 10204 Q101 IC103 IC205 IC208 10104 IC220 10101 Q108 IC107 Q109 IC206 10106 10102 0102-0107 10105

144

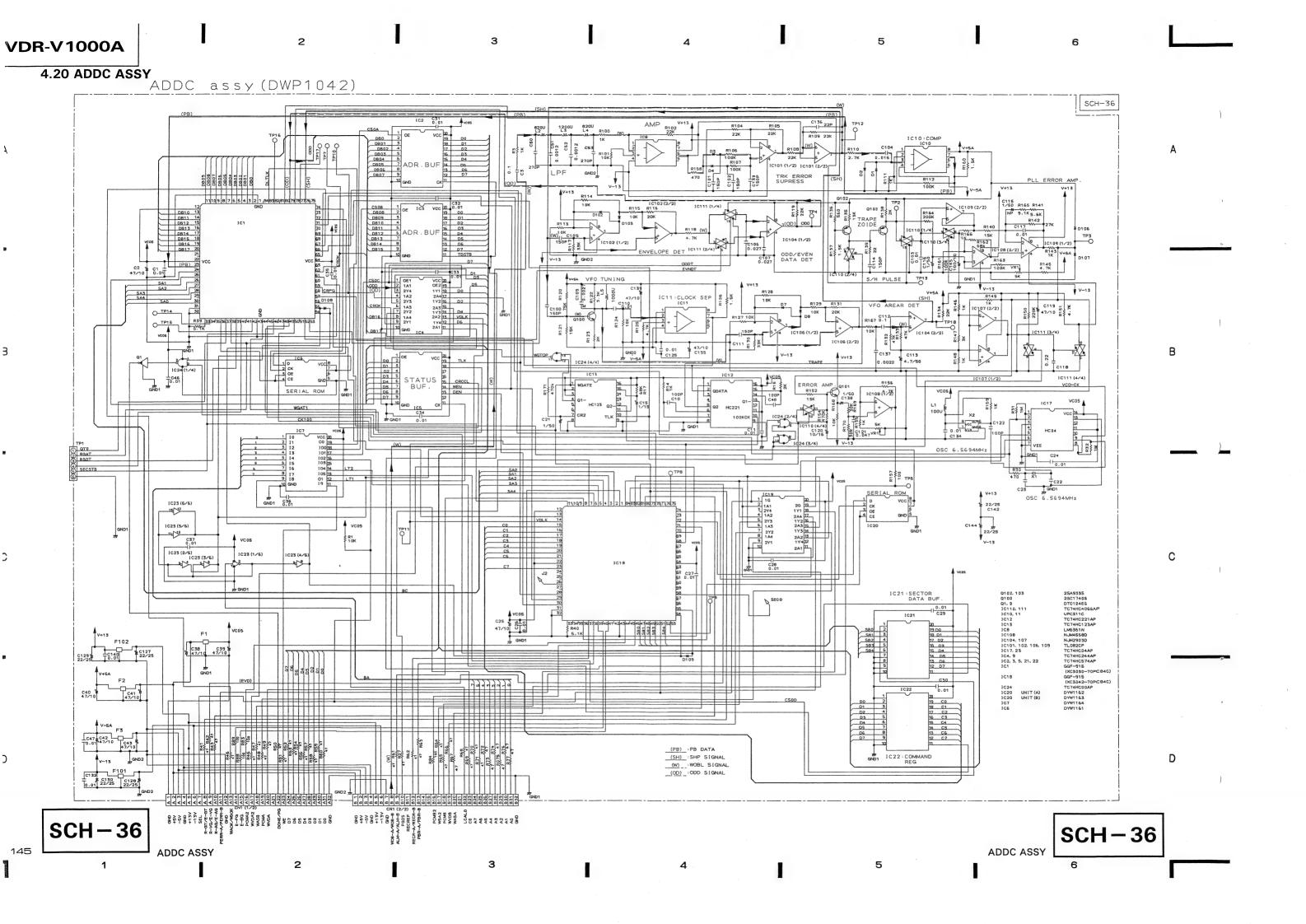
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PCB - 19

**ADDC** assy 5 3 6 8  $\bigcirc$ IC110 IC108 IC109 IC24 IC5 C33 20 IC4 11 OHHO 0 0 0 0 0 0 0 0 0 IC4 VR2 ERROR R155 14 0 0 0 0 0 0 0 8 0 0 0 8000 E C B C120 0 RIST ON CLIST RILE OF CLIST RI R740 R740 R750 00000000000 0000000 00000000000 0 VOLK TP11 0→1→0 Cl1 R15 0→√-0 R139 0440 C114 0-1-0 R137 0440 C118 0-1-0 R56 0 0 0 R54 0 0 R55 0 0 R55 0 0 R55 0 0 R52 0 0 R53 0 0 R52 0 0 R53 0-1-0 IC3 IC21 ICS IC12 C21 58 IC5 C29 20 0 0 0 0 0 0 0 0 0 16 . 0 0 0 0 0 0 0 0000000000 0000000000 R149 0000 R146 0000 R147 0000 R148 0000 0-VV-0 R14 VR1 IC17 0 0 0 0 R49 0-10-0 IC19 IC23 ICSS C30 20 IC22 C28 20 0 0 0 0 0 0 0 0 0 0 14 0 0 0 0 0 0 R124 0-VV-0 C110 0000000 0000000 0000000000 0000000000 R31 R3Ø 0----0 0----0 0 C110 R151 O IC111 TP7 C23 R115 R116 STB1 CRCOK 에[]Ю 0 0 R89 0-00 R172 TP4 8 0 0 0 VFODET TP17 0-11-0 CSS 0 0 R84 0-V-0 0 0 R27 0-V-0 0 0 R43 0-V-0 R62 TP8 D103 14 0 0 0 0 0 0 IC18 X1 IC6 0-KI-0 0102 0-KI-0 R61 0-V-0 R41 0-V-0 0 0 0 0 86 11 0 0 0 0 0 0 0 0 0 0 0 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 C15 IC102 0 0 0 OC132 0-J1-0 C1Ø5 R17 0-10-0 0-00-0 IC13 00000000 C21 L TP16 C35 F101 5 WOB R109 0 070 00 .00 1.4 OHPO is C53 OHPO C52 0 0 •0 0 00000000 00 <u></u> 0 00 R171 0-0-0 0-10-0 0 0 0 060 0 060 8000 0.0 TP1Ø CRFG 300 0 00 C21 R188 0000 TP1 000000 C255 C255 C255 0<del>-10-</del>0 D1Ø8 WINDOW С 00.04.00 R107 R106 C133 DWP1042-A [NTSC] TP9 R1Ø1 0000 0 0 DWP1044-A [PAL] GCMK-41X VR2 VRI ICIO8 ICIO9 ICIO6 ICI07 Q103 Q102 ICIIO IC7 IC3 IC4 IC2 QI 1C24 IC12 Q101 IC5 IC2I ICIII ICII ICI3 10102 10104 IC23 IC6 ICI7 IC22 1019

ICI

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1018

IC20

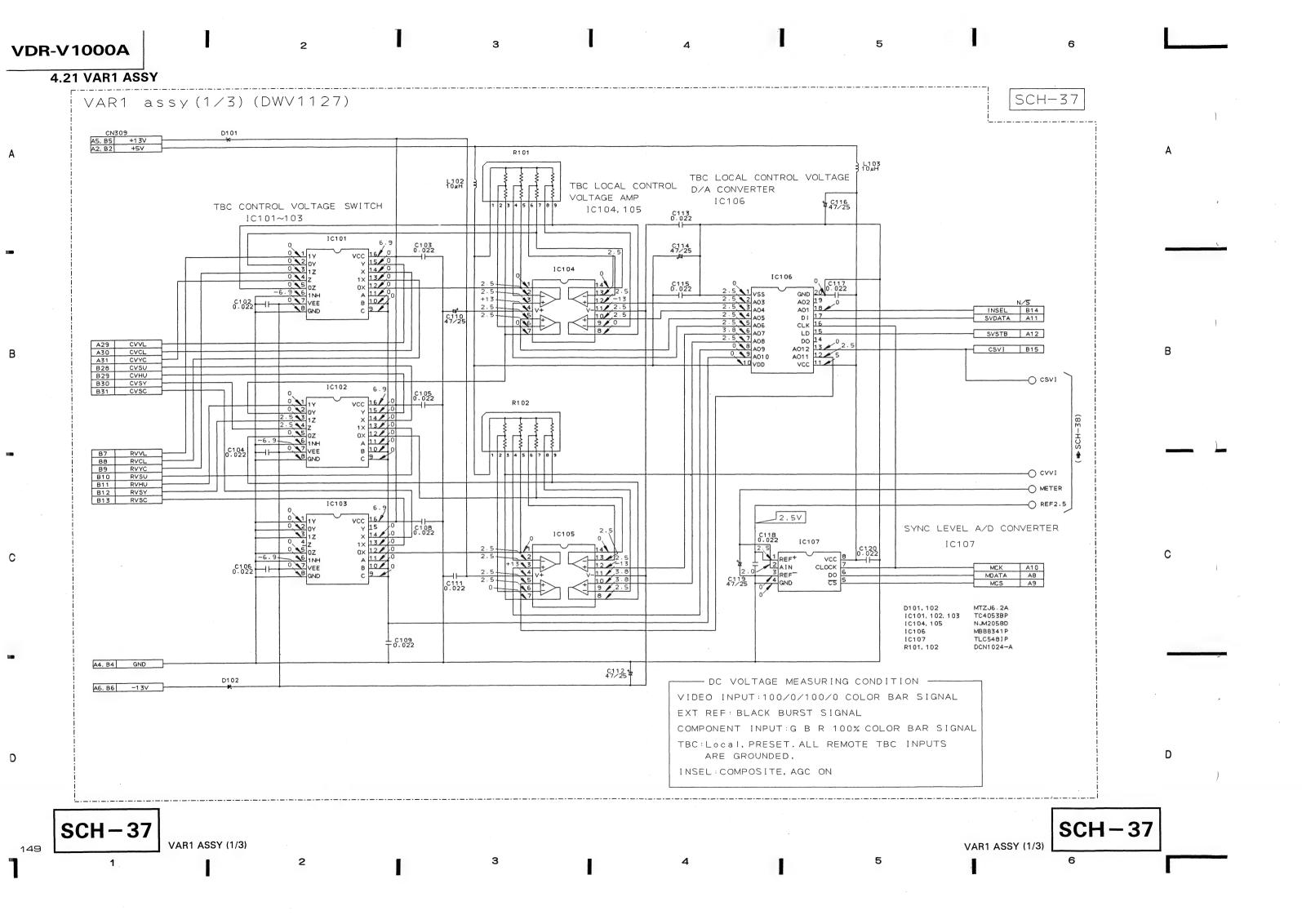
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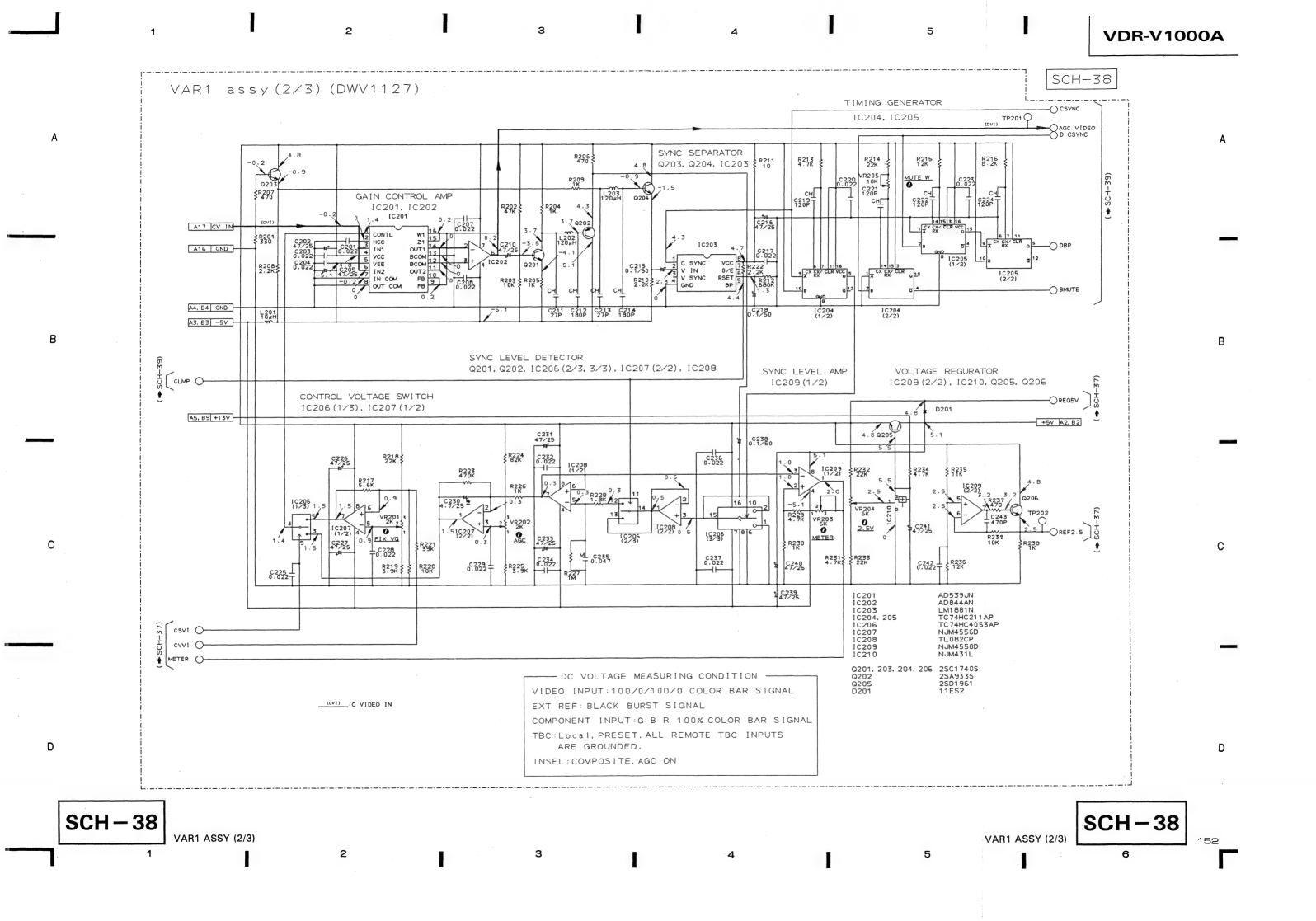
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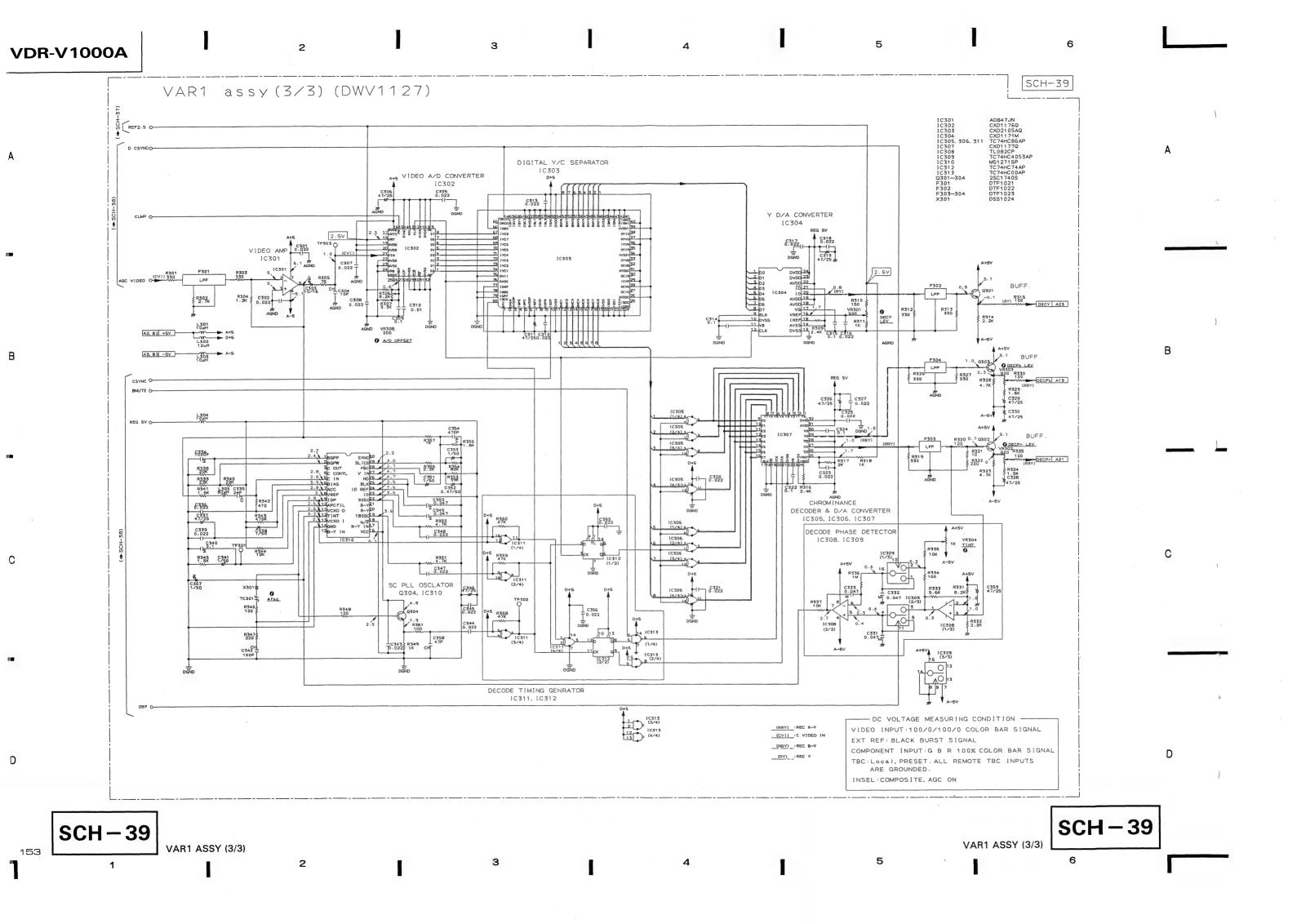
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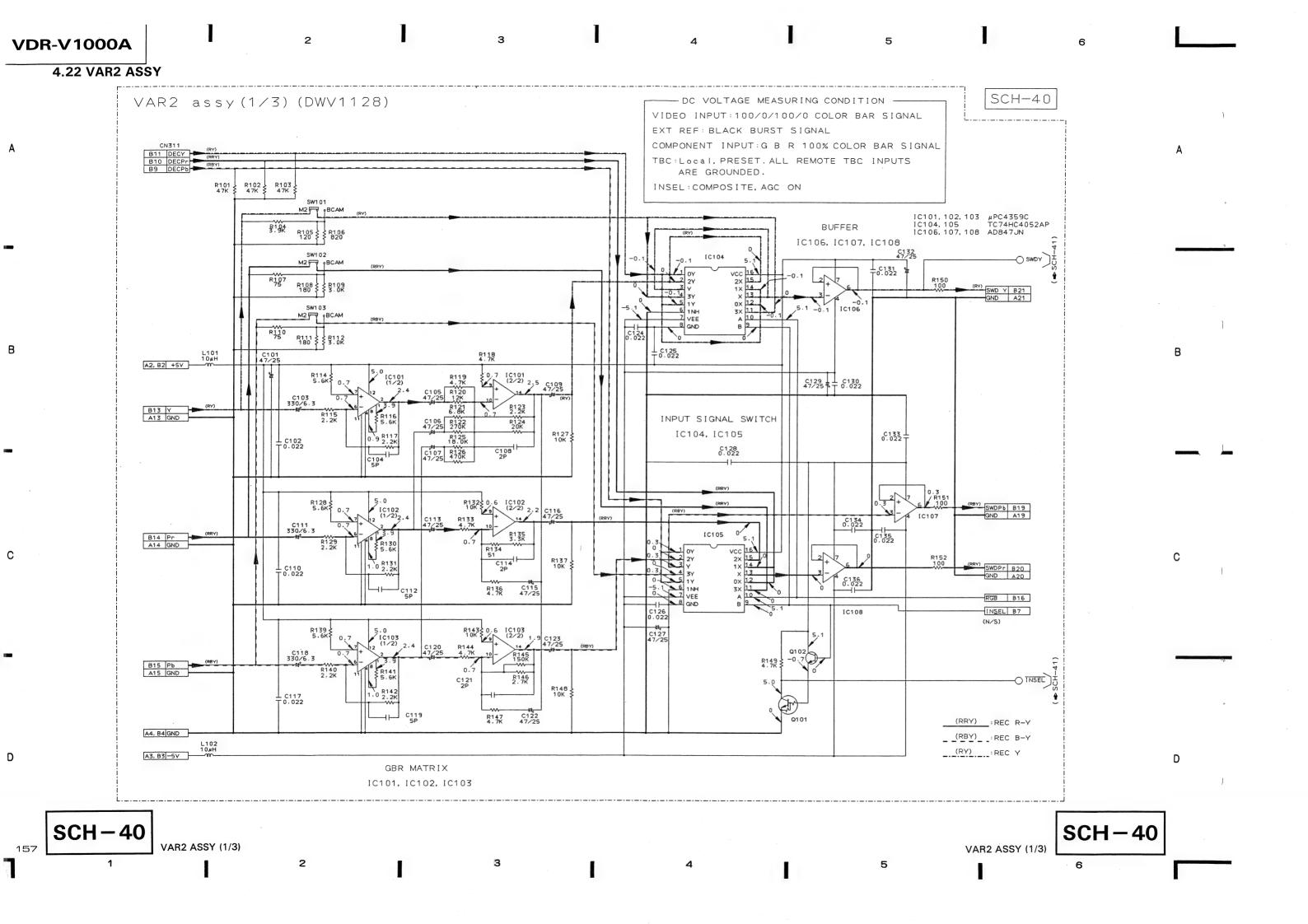
**VDR-V1000A** 

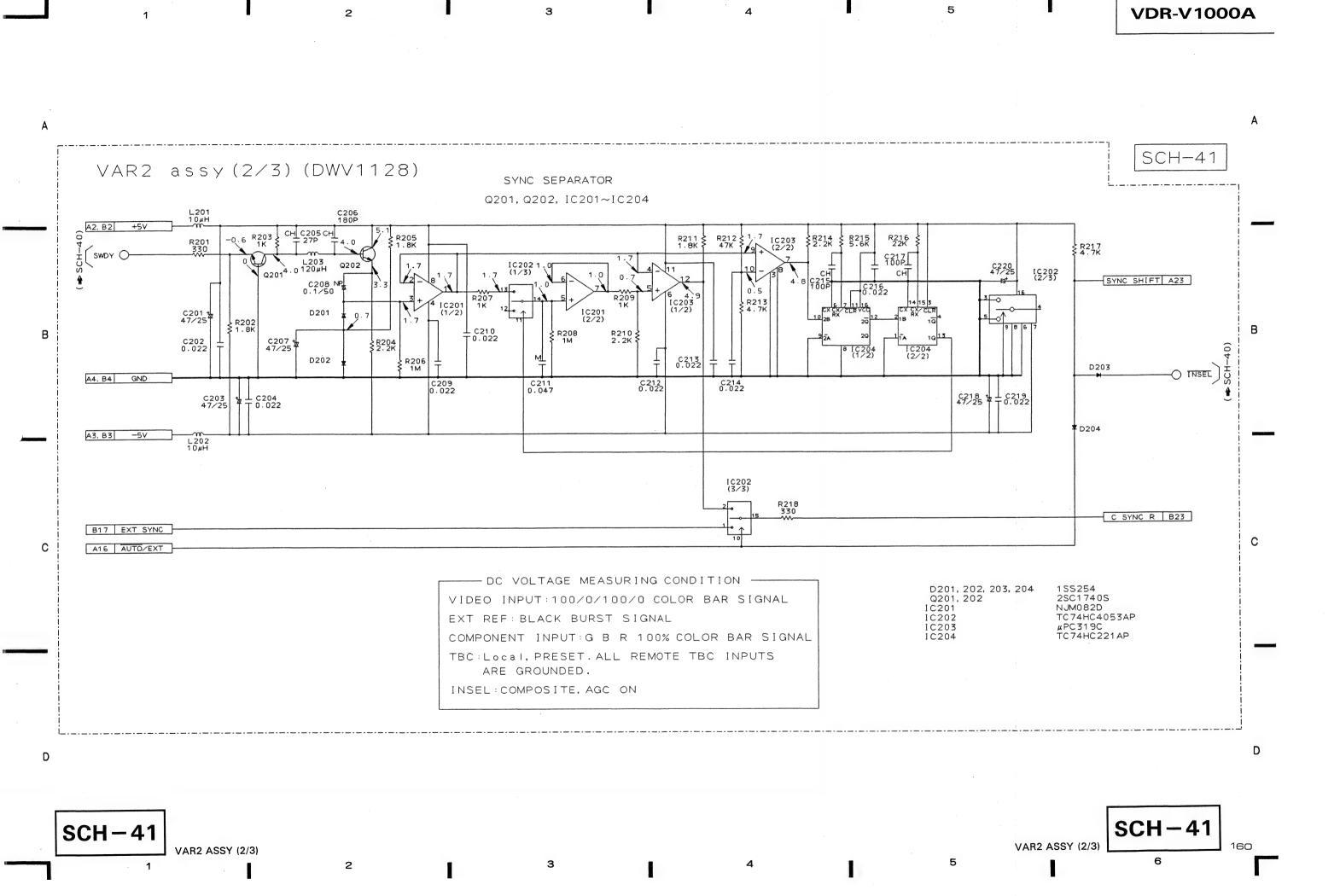
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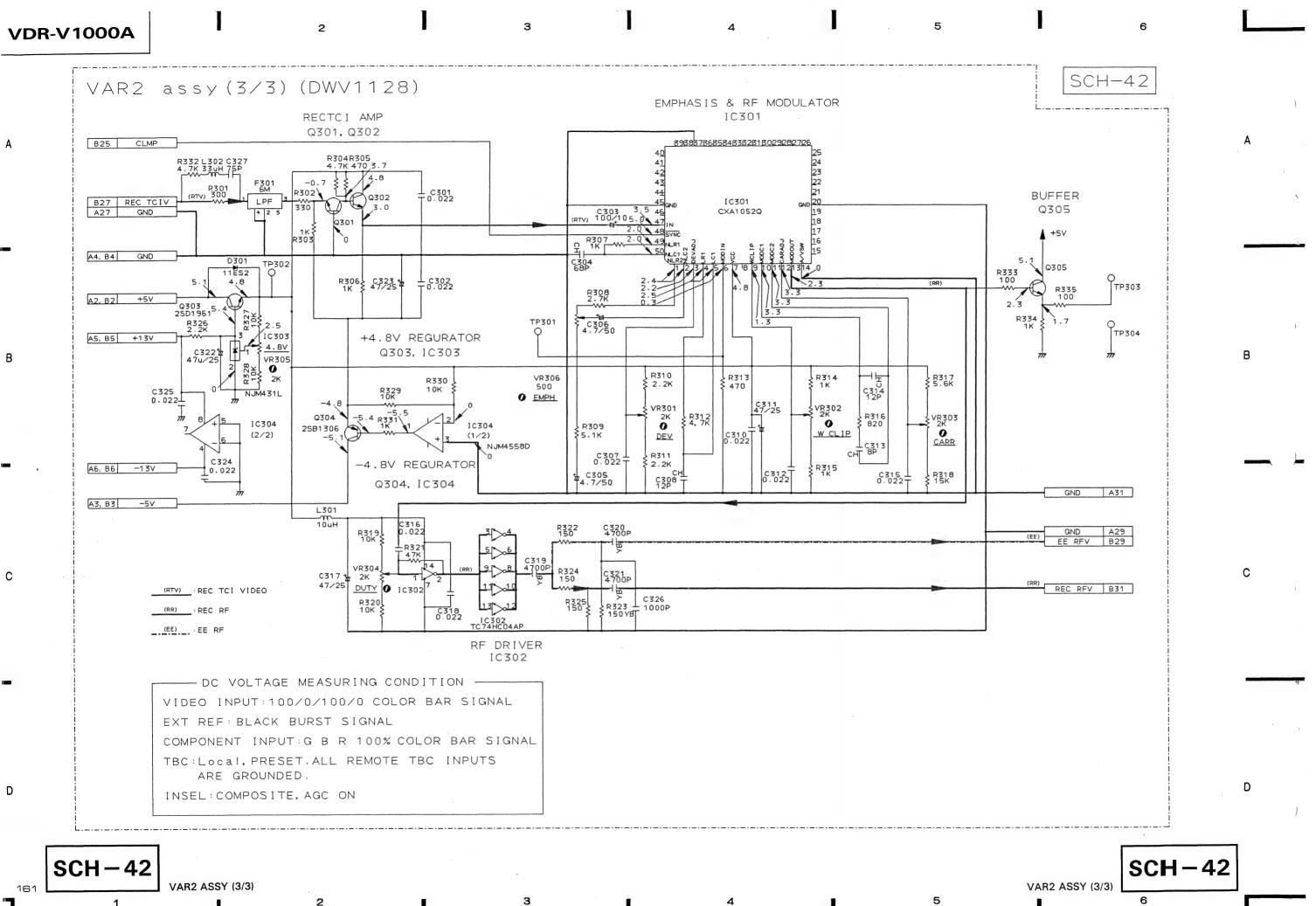
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R280 R315 000
R290 R315 000
R316 000
R3 o-¤-o c360 ⊂ IC313 R102 6 0 0 0 0 0 0 0 0-1--0 C324 000000000 o-^--o R326 5 75 R325 00000 . 0-//-0 R358 . In ST C206 C2X R101 000000000 IC104 = 1 n 0-11-0 C347 C352 இ\$ ⊶⊢ c354 DNP1522-A IC106 38 0-12-055 0-vvo С R357 MADE IN JAPAN PIONEER VAR1 VR203 VR204 VR30I-VR304 VR202 VR20I VR205 IC305 IC306 IC303 IC302 Q204 IC203 10103 IC20I Q203 Q302 Q303 IC304 IC307 10311-10313 Q202 Q201 IC204 IC205 Q301 10207 ICI05 ICI01 ICI02 IC202 Q304 10310 IC208 IC209 IC210 Q205 Q206 IC308 IC309 IC206 ICI07 IC106 IC104

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DNP1340-D **VDIF** assy DWV1083-A (VDR) 0 ABCDE VDIF DWV1110-A (VDP) 0-8-0 C1 0000000000 000000000 0-B-0 C7 J5Ø1 J5Ø3 J5Ø2 R21 0-V-0 C41 0-13-0 C4 C40 0-0-0 0-4-0 C42 0-0 0-to-0 C43 0-11-0 C50 R24 0-44-0 O-11-0 C30 C21 0-11-0 C31 0-1-0 o⊣⊢o cs C3 0-1-0 R3 0-11-0 C18 0-11-0 C28 0-KI-0 D21 C27 0-1-0 0-KI-0 D27 0-11-0 R17 R19 0-44-0 ono ono 0-KI-0 D33 R27 0-44-0 0-44-0 R26 0+0-N-0 D13 R4 mo. 04 R20 IDO. 0 R39 0 IC5 0 IC1 ° IC6 ° ° IC9 IC10 ° o o-ki-o D15 0→ R38 60 0→Λ-0 D14 0-K-0 0-0-N-0 D16 œO. 0mo | DS 0-K-0 0-N-0 D4 D58 0-14-0 034 o-N-O 0-10-0 R25 DSS 0-K-0 0-11-0 C22 0-11-0 C22 C6 0-11-0 R7 C23 0-11-0 0-1-0 C5 C39 0-11-0 o-1-o C38 C33 0-1-0 0-11-0 C32 0-11-0 E15 0-K-0 D23 R8 0-11-0 R 0-KI-0 D35 0-10-0 R5 0-44-0 R13 0~~0 0~~0 R42 R22 no 0+ R15 0-44-0 R30 0-00-0 0-00-0 R29 0+0-bt-0 D5 ino 0+0-D-0 D17 wo 04 IC4 ° ICS ° ° IC13 IC7 ° 0 0000 R14 0 0-VV-0 RB 0-0-KI-0 D19 mΩ 0ωO D24 0-KI-O C24 0-11-0 TIB 0-KI-0 0-bi-0 DB D3Ø 0-KI-O D18 0-KI-O 0-10-0 R35 D36 0-N-0 0-000 R16 C25 0-11-0 C9 OHPO RII C35 0-11-0 o-11-0 C34 0-11-0 CB 0-11-0 C37 0-10-0 D31 R33 0-10-0 0-10-0 R32 C12 0-B-0 0-K-0 D25 R23 0-W-0 0-W-0 R45 0-44-0 R9 0~00~0 L5 R12 0-44-0 0-44 0+0-N-0 D9 0-11-0 C36 100 C13 0-0 IC3 ° IC8 ° 0-44-0 R34 0 CN5Ø1 0 0-VV-0 R1Ø 0-0-K-0 D11 L~) 0**ω**Ο 00000 D10 0-K-0 0-N-0 D12 0-0-0 R31 D26 0-K-0 0-KI-O 0-^^-0 R43 0-12-0 0-12-0 CN226 CN224 **CN24** CNS55 00000000 CIR 0000000000 00000 00000 ( RED ) % 75 000 PIONEER DNX1545-B 9 MADE IN JAPAN

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**VDCN** assy VDCN DWV1082-A(VDR) [000000000] 0000000000 000000 PIONEER DNX1544-B DWV1109-A(VDP) J503 MADE IN JAPAN J5Ø1 R103 R104 20 05 20 O5 10 04 R105 D 3 0

IC6~ICB

IC10-IC12

IC9 IC13

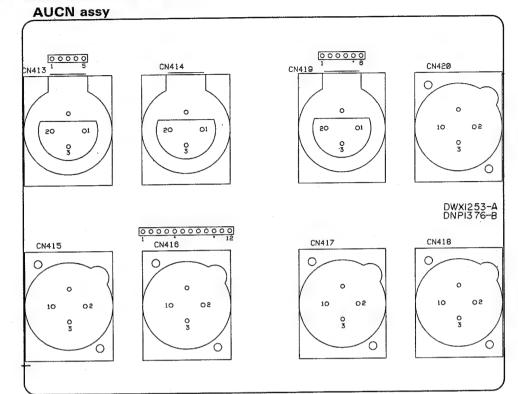
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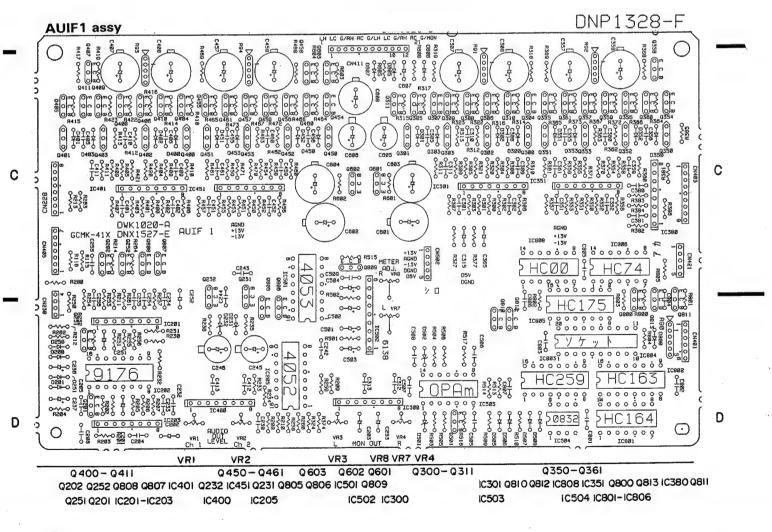
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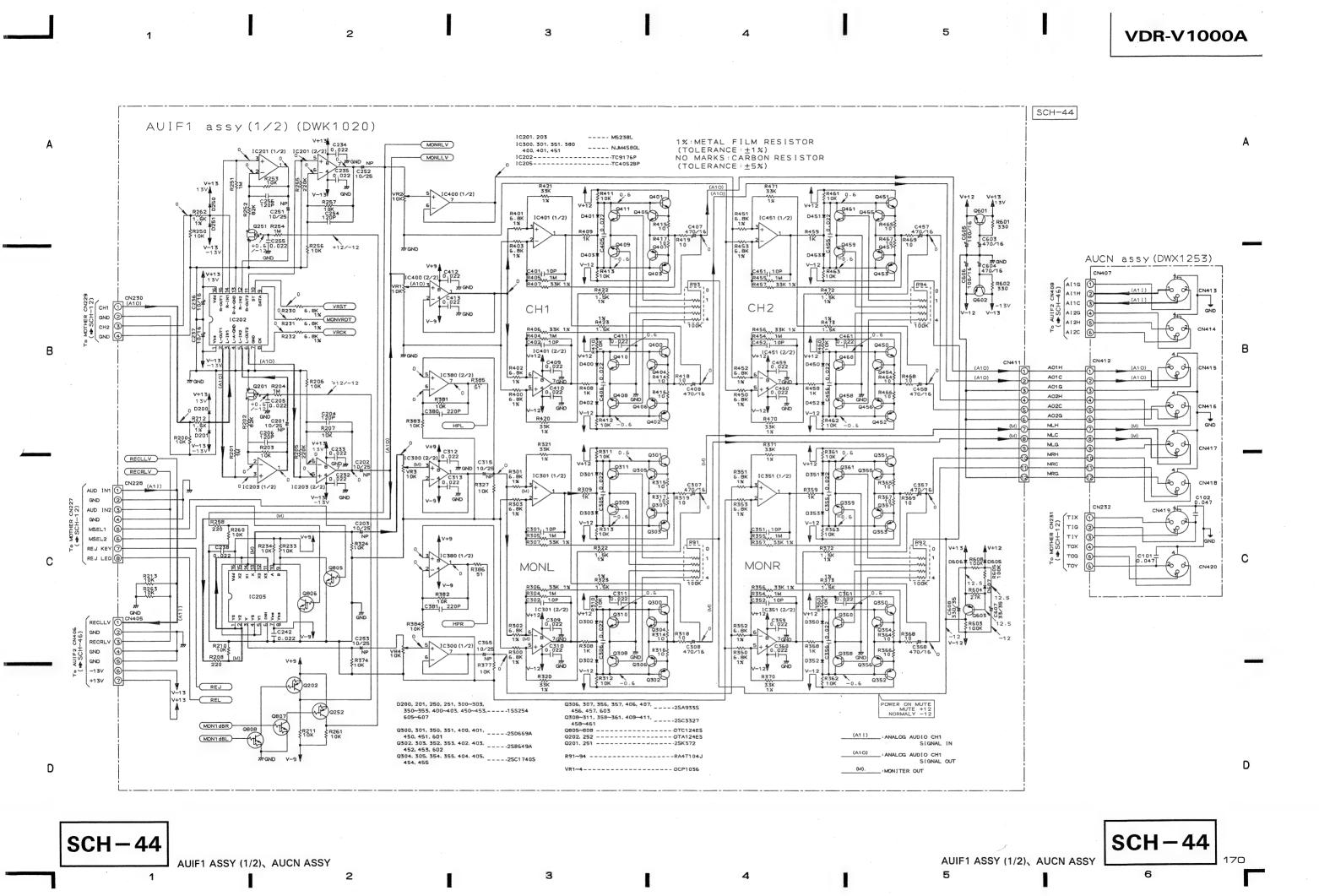
IC5 IC4

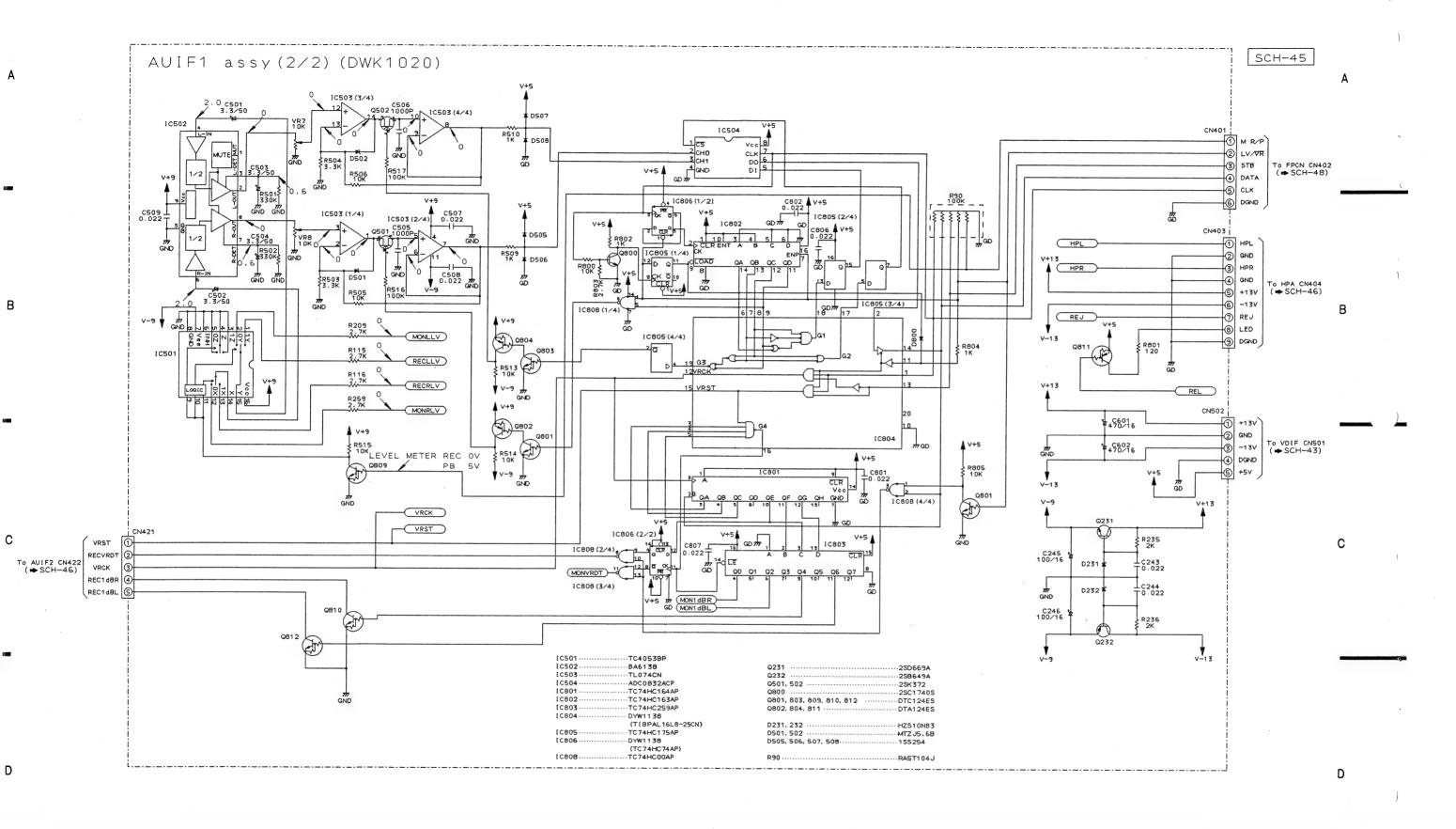
В

## 4.24 AUIF1 ASSY AND AUCN ASSY









SCH-45 SCH-45 AUIF1 ASSY (2/2) AUIF1 ASSY (2/2) 5 6

**VDR-V1000A** 

PCB-21

A

VAR2 assy CARRI 0.000 0.305 0.000 R335 0.000 R334 0.000 R334 0.000 R334 0.000 R334 GND GND 0 VR304 🖔 1C302 \$ 1 2 6 ACTID R328 8314 O ~ ~ 0000000 TP3Ø3 TP304 R301 0-V-0 L302 C327 R332 0-V-0 0-00 0-11-0 A : Betacam (60Hz) В EMPH B : SMPTE/EBU F3Ø1 gg IC107 0 9 VR3Ø1 C3Ø3 0101 6000000 0-1-0 C133 C215 R215 IC1Ø2 ζ o⊣⊢o C136 6000000 000 IC108 8 1 0 0 0 0 0 0 IC203 } \$ 1 IC105 IC204 800000015 0000 0000 C217 R216 25 0-1-0 C134 00000000 0-0-0 C129 80000000 ICSØS < 0-1-0 C13Ø IC104 ζ 00000000 C211 91 TP302 ¿ . . . IC106 C322 R327 C503 0-p-0 о**-1**-0 0-4-0 0-10 R326 0 000 0 C21Ø 0000 0-11-0 o⊣⊢o c131 С C1Ø9 CN311 o-n-o C132 ABCDEFG PIONEER IC303 MADE IN JAPAN 3 GND GND VR304 VR302 VR303 VR30I VR305 10103 IC302 Q305 IC301 Q301 Q302 Q304 IC304 IC107 IC108 IC203 IC204 IC105 Q101 Q102 10102 IC202 Q303 IC303 IC106 IC201 Q201 Q202 IC104 ICIOI

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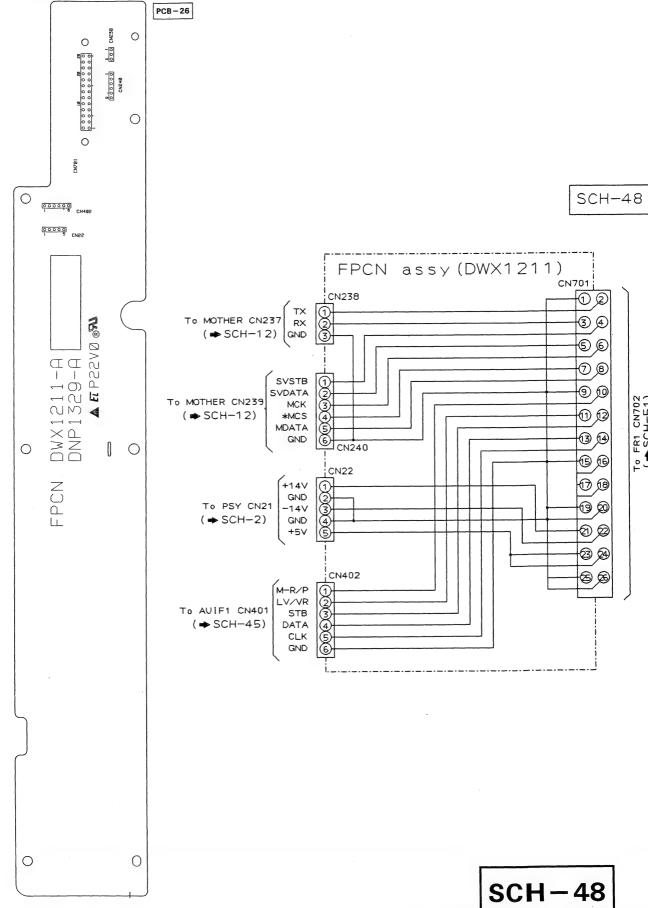
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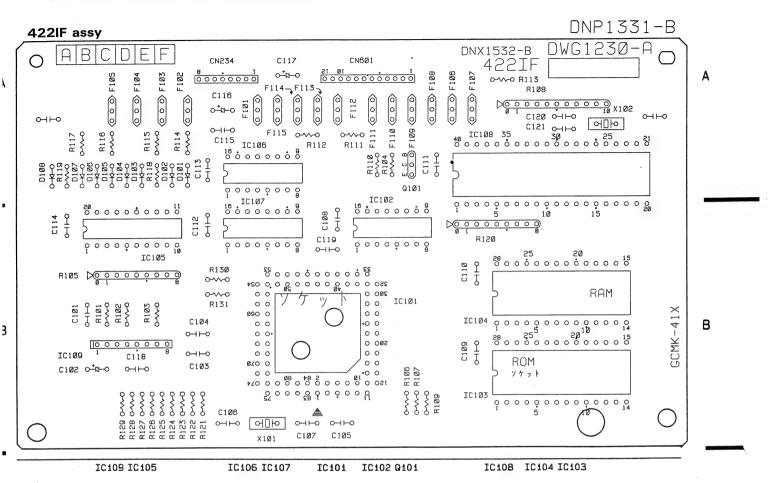


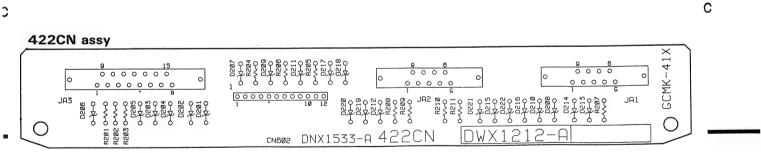
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FPCN ASSY

3

## **4.28 422IF ASSY AND 422CN ASSY**



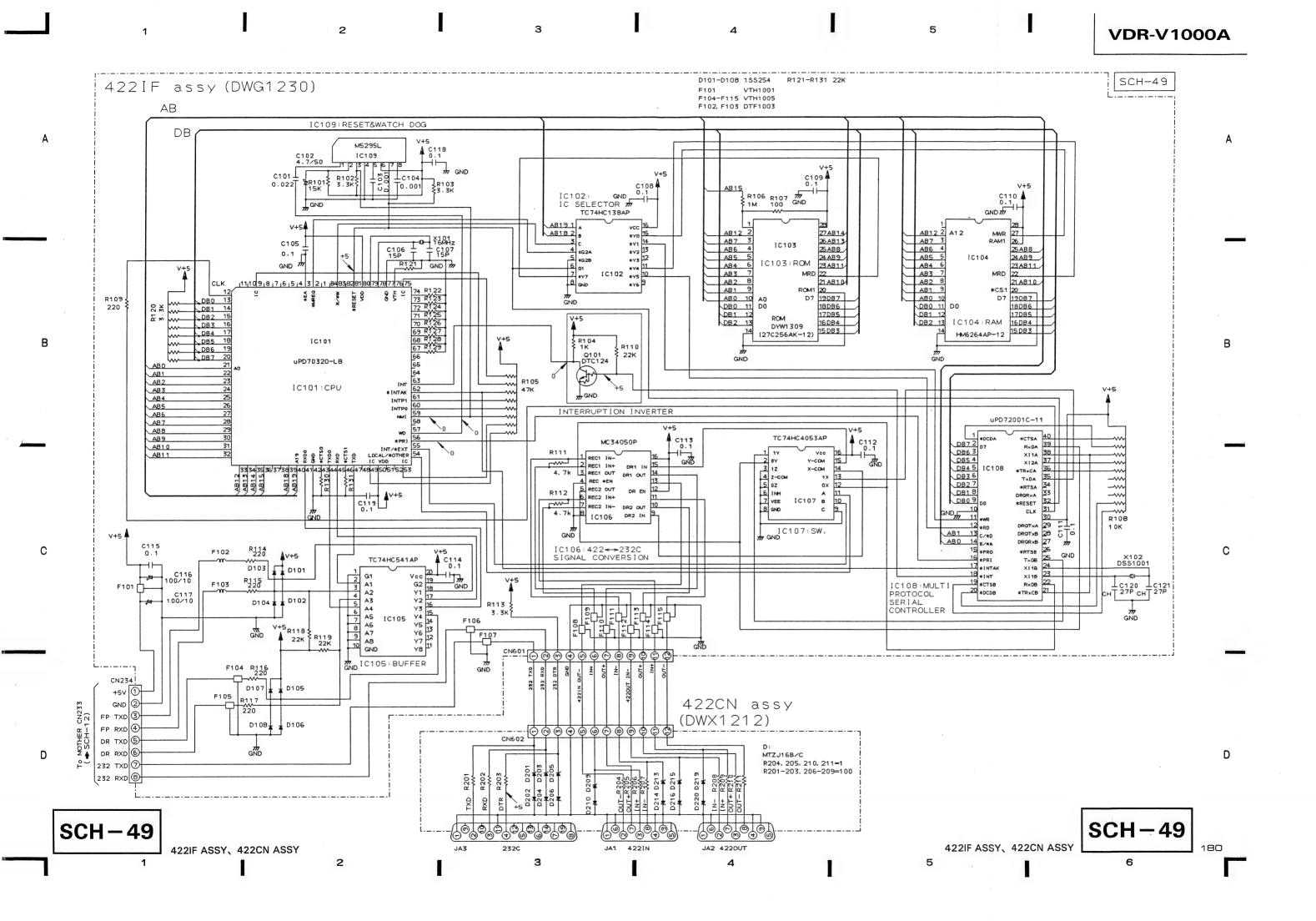


178

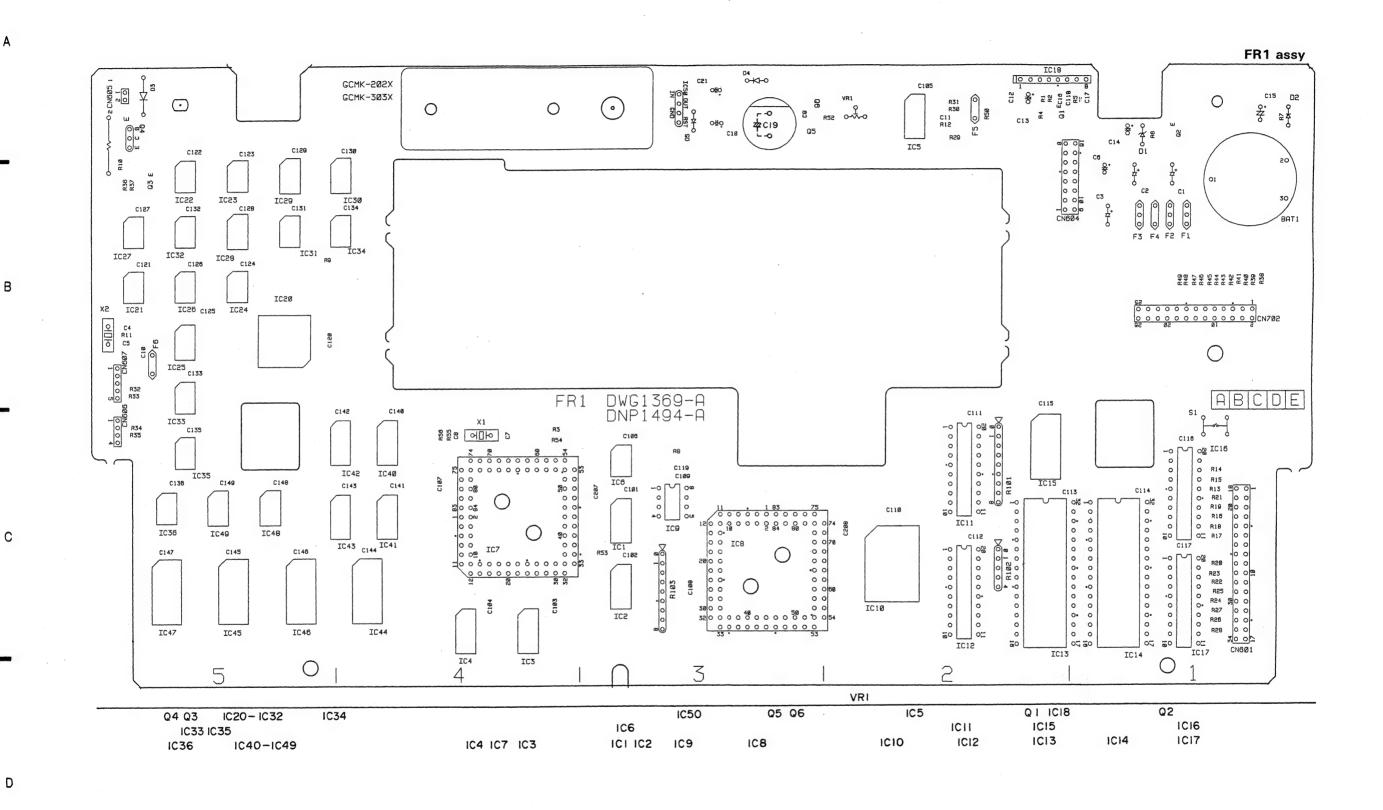
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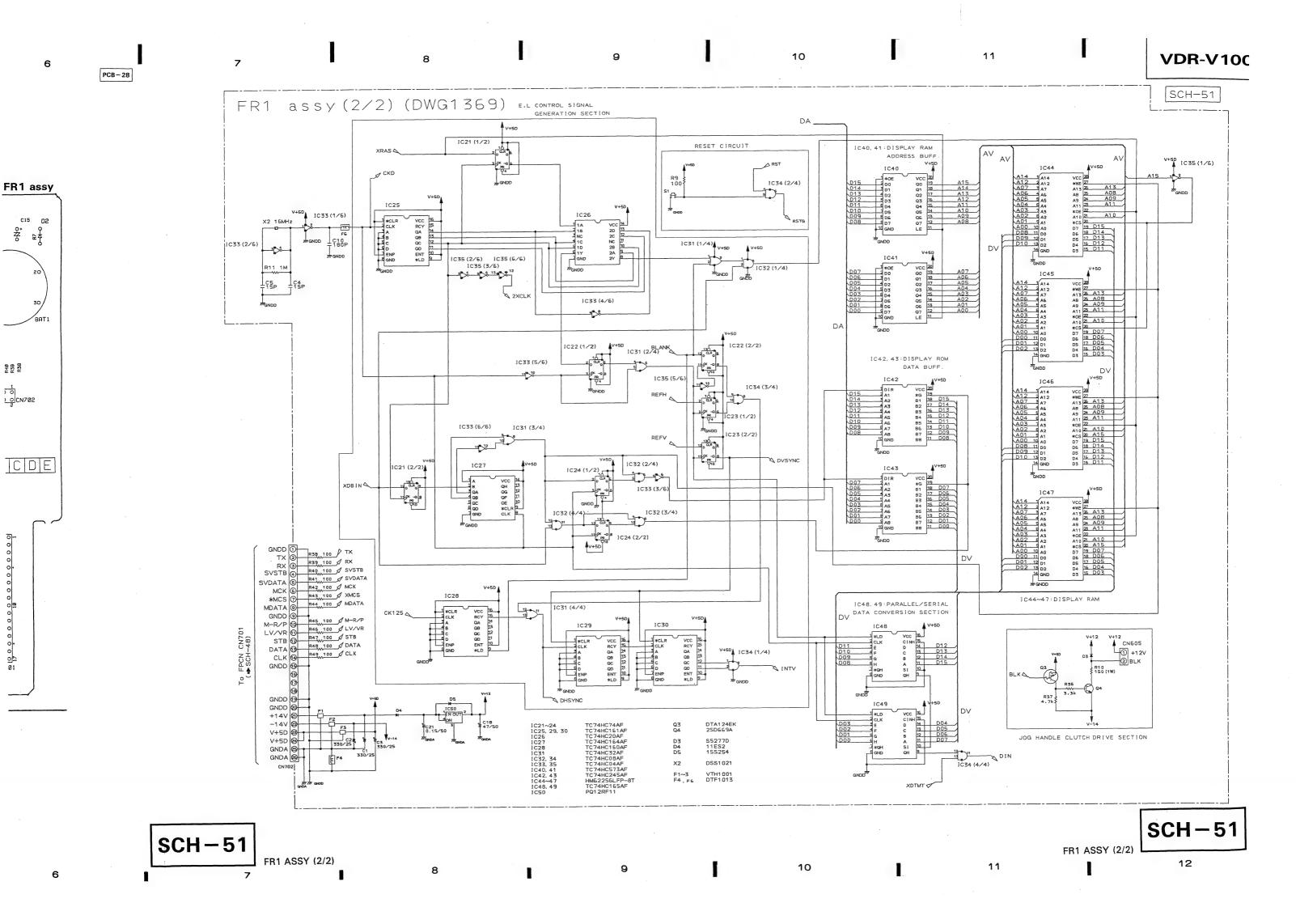


PCB-28



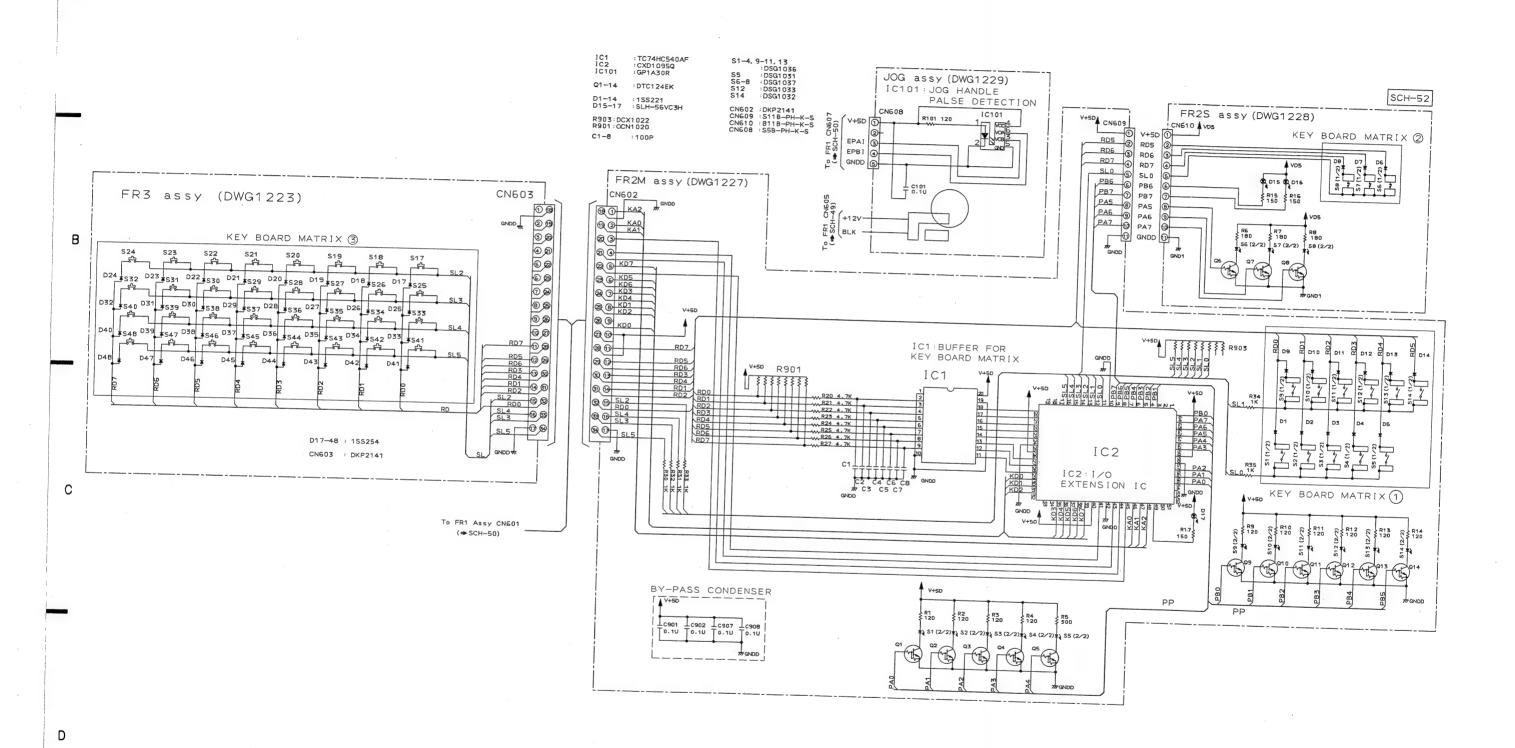
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4.30 FR3 ASSY、FR2M ASSY、FR2S ASSY AND JOG ASSY



SCH-52

FR3 ASSY、FR2M ASSY、FR2S ASSY、JOG ASSY

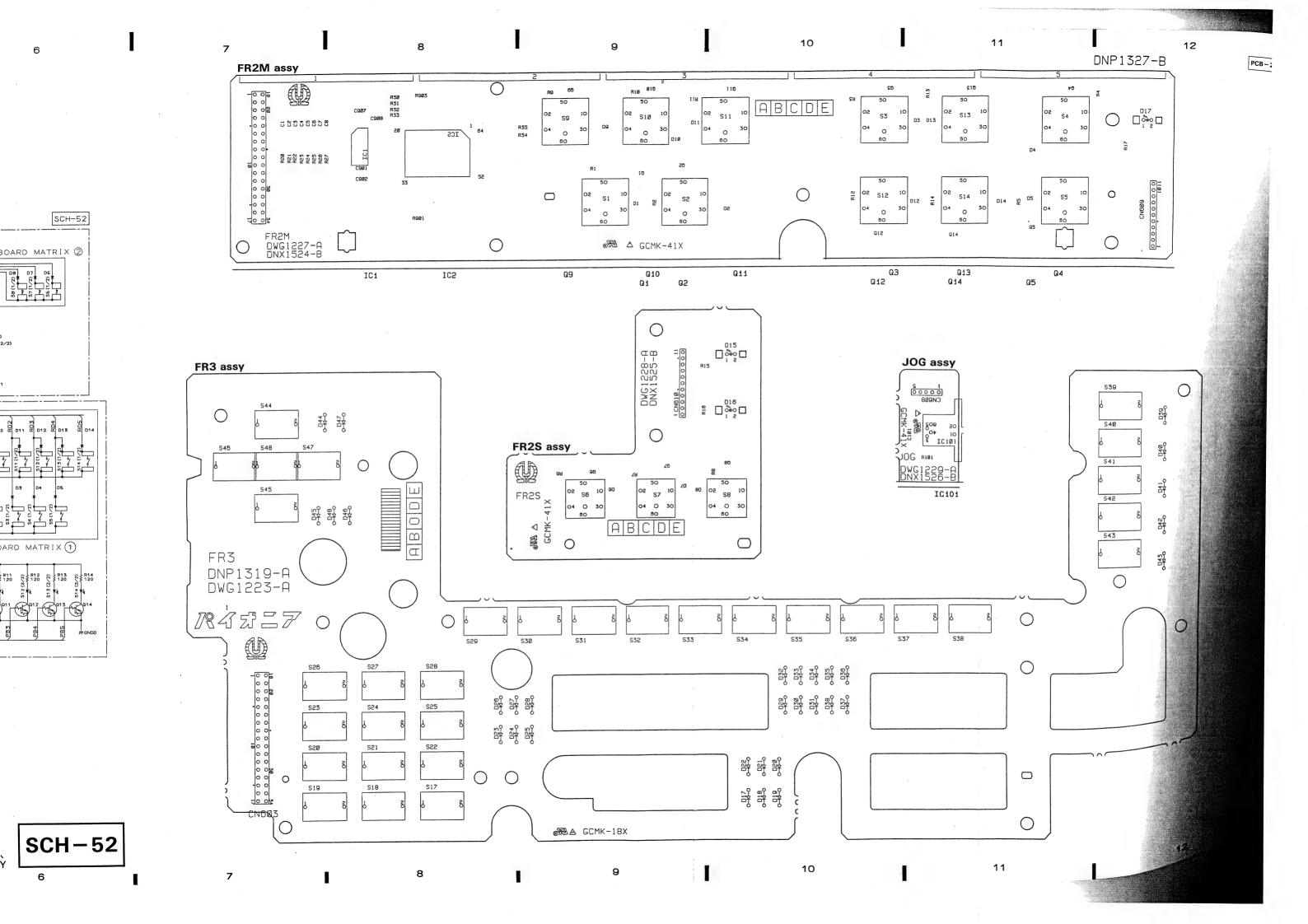
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FR3 ASSY、FR2M ASSY、FR2S ASSY、
JOG ASSY

SCH-52

6



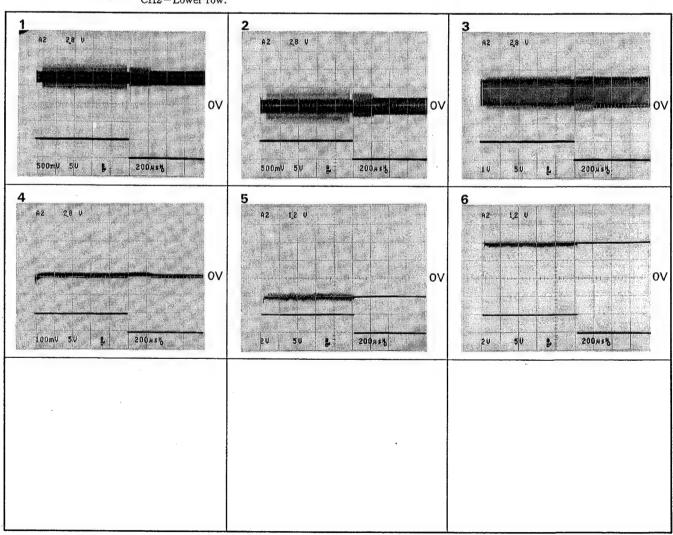
#### Wave Forms

#### ADEM Assy

INPUT: COLOR BAR, FNO=100, COMPOSITE INPUT (Y, R-Y, B-Y) PB MODE

No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	TP1	PBA	0.5 [ V ]	200 [ μs ]		CH1
2	TP5	AGC	0.5 [ V ]	200 [ μs ]		CH1
3	TP7	RFN	1[V]	200 [ μs ]		CH1
4	TP10	ATC	0.1 [ V ]	200 [ μs ]		CH1
5	TP35	PLL	2 [ V ]	200 [ μs ]		CH1
6	TP14	XER	2 [ V ]	200 [ μs ]		CH1
1~6	TP16	AREA	5 [ V ]	200 [ µs ]		CH2

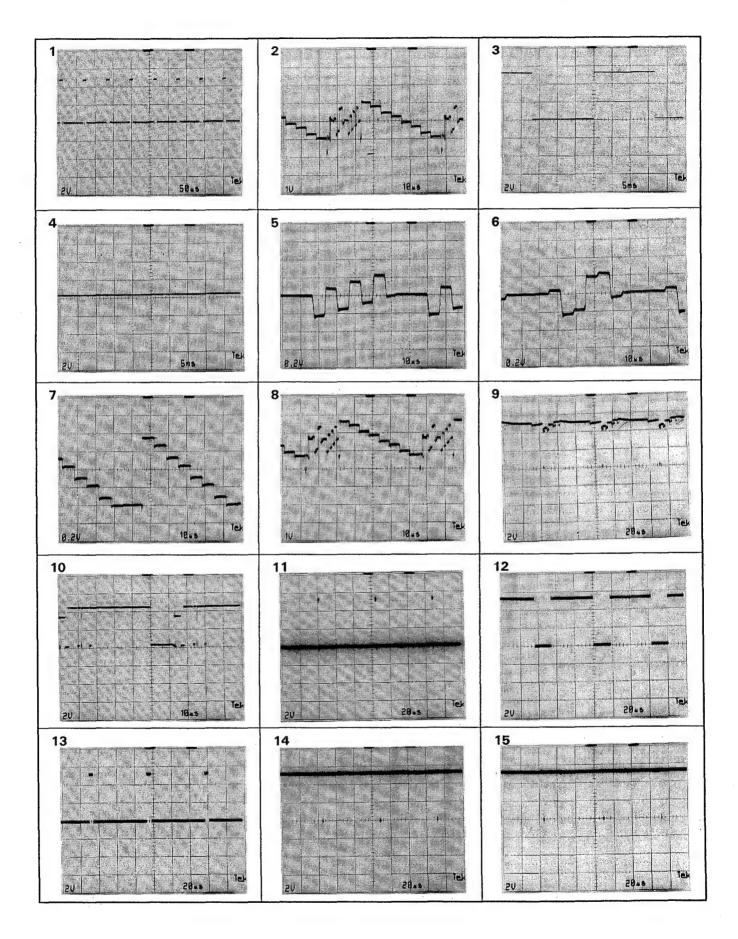
# • Waveform photographs: CH1-Upper row. CH2-Lower row.



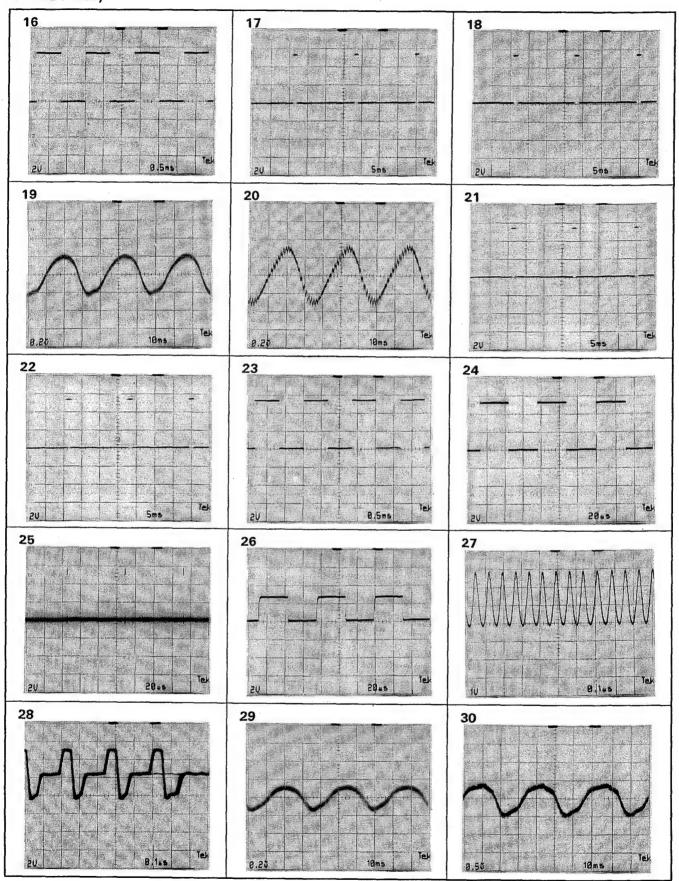
#### VDEC Assy

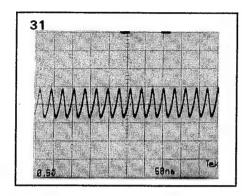
INPUT: COLOR BAR, COMPOSITE INPUT (Y, R-Y, B-Y) EE MODE

No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	IC44-Pin 95	SGHD	2.0 [ V ]	50 [ μ́s ]		(CN1-A5)
2	Q8 Drain	PBTCIV	1.0 [ V ]	10 [ μs ]		(CN1-B5)
3	IC44-Pin 99	SGF	2.0 [ V ]	5 [ ms ]		(CN1-B6)
4	IC44-Pin 96	SGVD	2.0 [ V ]	5 [ ms ]		(CN1-B5)
5	TP14	PBB-Y	0.2 [ V ]	10 [ μs ]	-0.6 [ V ]	
6	TP15	PBR-Y	0.2 [ V ]	10 [ μs ]	-0.6 [ V ]	
7	TP16	PB-Y	0.2 [ V ]	10 [ μs ]	-0.2 [ V ]	
8	TP1		1.0 [ V ]	10 [ μs ]		
9	IC12-Pin 6	TSYNI	2.0 [ V ]	20 [ μs ]		
10	IC44-Pin 40	TREF	2.0 [ V ]	10 [ μs ]		
11	IC44-Pin 43	CLP	2.0 [ V ]	20 [ μs ]	de constant de la con	
- 12	IC38-Pin 8	NYC	2.0 [ V ]	20 [ μs ]		
13	IC38-Pin 7	AWVN	2.0 [ V ]	20 [ μs ]		
14	IC38-Pin 6	STPN	2.0 [ V ]	20 [ μs ]		
15	IC38-Pin 5	STGN	2.0 [ V ]	20 [ μs ]		
16	IC44-Pin 112	WASB	2.0 [ V ]	0.5 [ ms ]		(CN2-A17)
17	IC44-Pin 110	WVDA	2.0 [ V ]	5 [ ms ]		(CN2-A19)
18	IC44-Pin 111	PCMA	2.0 [ V ]	5 [ ms ]		(CN2-A18)
19	CN2-B4	PERRA	0.2 [ V ]	10 [ ms ]	0.3 [ V ]	
20	CN2-B5	PERRB	0.2 [ V ]	10 [ ms ]	0.2 [ V ]	
21	IC44-Pin 114	PCMB	2.0 [ V ]	5 [ ms ]	_ <del></del>	(CN2-B17)
22	IC44-Pin 113	WVDB	2.0 [ V ]	5 [ ms ]		(CN2-B18)
23	IC44-Pin 109	WASA	2.0 [ V ]	0.5 [ ms ]	_	(CN2-B19)
24	IC44-Pin 105	STZ	2.0 [ V ]	20 [ μs ]		
25	IC44-Pin 106	SSP	2.0 [ V ]	20 [ μs ]		
26	TP300		2.0 [ V ]	20 [ μs ]		·
27	X2-Pin 8		1.0 [ V ]	0.1 [ µs ]		
28	IC44 - Pin 37	PPE	2.0 [ V ]	0.1 [ μs ]		
29	TP302		0.2 [ V ]	10 [ ms ]	2.3 [ V ]	
30	TP11		0.5 [ V ]	10 [ ms ]	3.2 [ V ]	
31	X3-Pin 8		0.5 [ V ]	50 [ ns ]	1.8 [ V ]	



## VDEC Assy

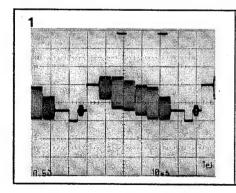


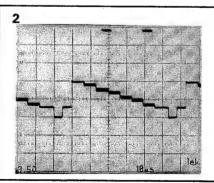


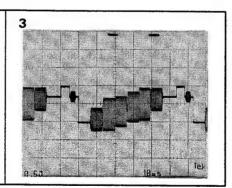
## ● VAR1 Assy

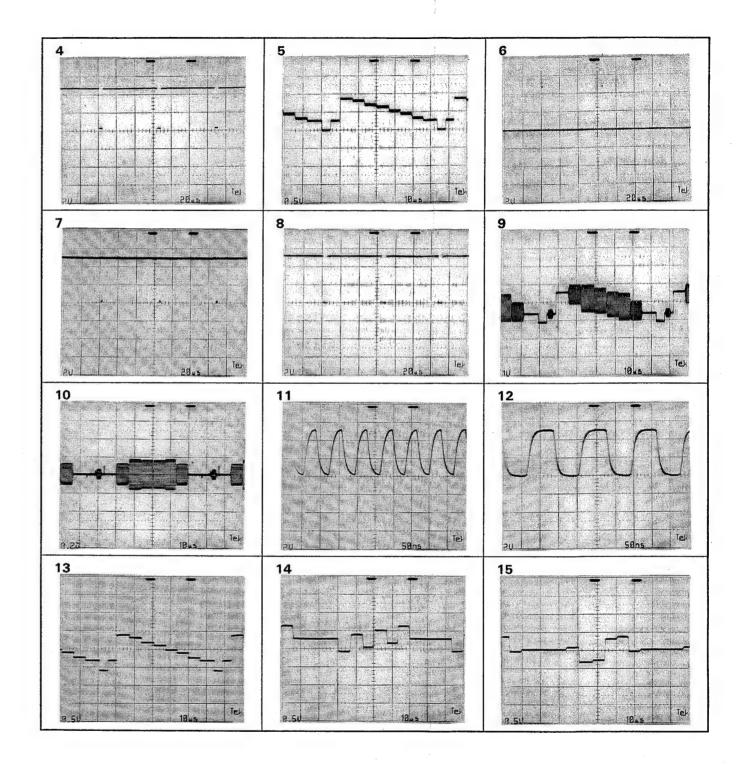
INPUT : COLOR BAR, COMPOSITE INPUT (Y, R-Y, B-Y) EE MODE

l	T					t 1, b 1) EE MODE
No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	IC202-Pin 3	CV IN	0.5 [ V ]	10 [ μs ]	-0.2 [ V ]	(CN309-A17)
2	Q204 Emitter		0.5 [ V ]	10 [ μs ]	-1.5 [ V ]	
3	IC202-Pin 6	CLMP	0.5 [ V ]	10 [ μs ]	-0.2 [ V ]	
4	IC203-Pin 5		2.0 [ V ]	20 [ μs ]	-	
5	IC206-Pin 15		0.5 [ V ]	10 [ μs ]		
6	IC206-Pin 10		2.0 [ V ]	20 [ μs ]		
7	IC204 - Pin 4	BMUTE	2.0 [ V ]	20 [ μs ]		
8	IC309-Pin 10	D CSYNC	2.0 [ V ]	20 [ μs ]		
9	IC301-Pin 6		1.0 [ V ]	10 [ μs ]		
10	IC310-Pin 5		0.2 [ V ]	10 [ μs ]	3.0 [ V ]	
11	TP302		2.0 [ V ]	50 [ ns ]		
12	IC313-Pins 6, 8		2.0 [ V ]	50 [ ns ]		
13	Q301 Emitter	DECY	0.5 [ V ]	10 [ ns ]		(CN309-A23)
. 14	Q303 Emitter	DECPb	0.5 [ V ]	10 [ ns ]		(CN309-A19)
15	Q302 Emitter	DECPr	0.5 [ V ]	10 [ ns ]		(CN309-A21)





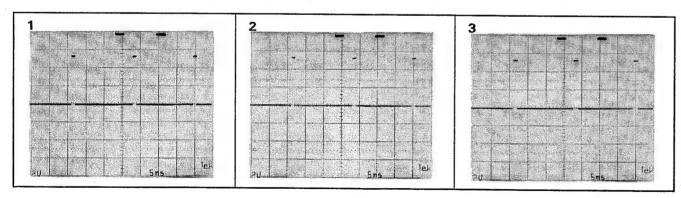


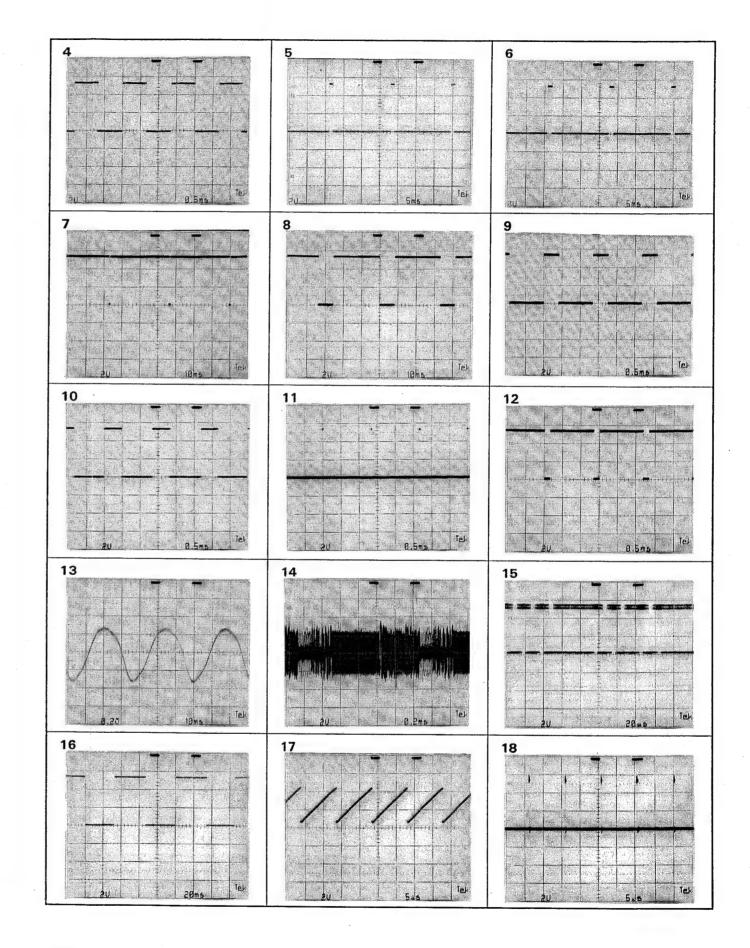


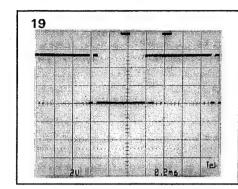
## ADDC Assy

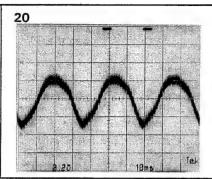
INPUT : COLOR BAR.	COMPOSITE	INPITT (V	P_V P_V)	EE MODE

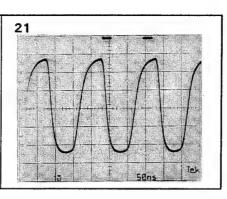
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No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	IC18-Pin 81	wv	2.0 [ V ]	5 [ ms ]		(CN1-A9)
2	IC18-Pin 44	PCMA2	2.0 [ V ]	5 [ ms ]	_	(CN1-A16)
3	IC18-Pin 70	WVDA2	2.0 [ V ]	5 [ ms ]	_	(CN1-A17)
4	IC19-Pin 9	WSB	2.0 [ V ]	0.5 [ ms ]		(CN1-A18)
5	IC19-Pin 14	PCMA	2.0 [ V ]	5 [ ms ]		(CN1-A19)
6	IC19-Pin 16	WVDA	2.0 [ V ]	5 [ ms ]		(CN1-A20)
7	TP10		2.0 [ V ]	10 [ ms ]		
8	TP7	÷	2.0 [ V ]	10 [ ms ]		
9	TP17		2.0 [ V ]	0.5 [ ms ]		
10	TP16		2.0 [ V ]	0.5 [ ms ]		
11	TP8		2.0 [ V ]	0.5 [ ms ]		
12	TP9		2.0 [ V ]	0.5 [ ms ]		
13	TP5	,	0.2 [ V ]	10 [ ms ]	3.5 [ V ]	
14	TP12		2.0 [ V ]	0.2 [ ms ]	_	
15	IC10-Pin 7		2.0 [ V ]	20 [ μs ]	- <u>-</u>	
16	TP4		2.0 [ V ]	20 [ ms ]		
17	TP2		2.0 [ V ]	5 [ μs ]		
18	TP13	·	2.0 [ V ]	5 [ μs ]		
19	TP18		2.0 [ V ]	0.2 [ ms ]		
20	TP3		0.2 [ V ]	10 [ ms ]	3.5 [ V ]	
21	X2-Pin 5	-	1.0 [ V ]	50 [ ns ]		







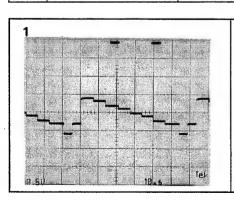


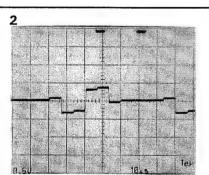


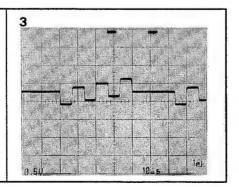
## VAR2 Assy

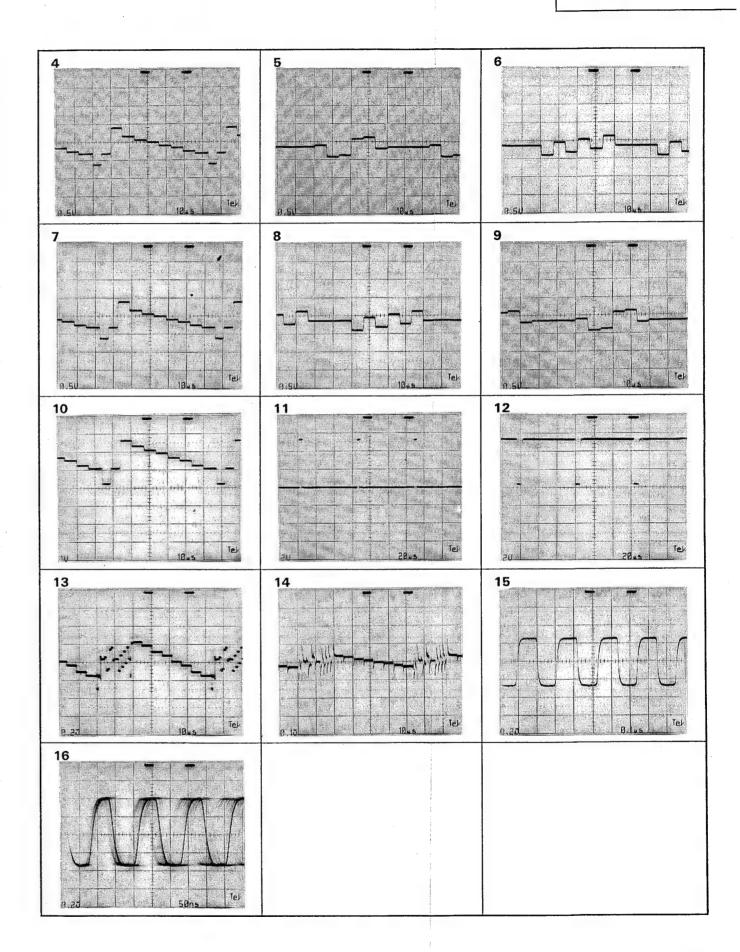
INPUT: COLOR BAR, COMPOSITE INPUT (Y, R-Y, B-Y) EE MODE

No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	IC104-Pin 1	DECY	0.5 [ V ]	10 [ μs ]		(CN311-B11)
2	IC105-Pin 14	DECPr	0.5 [ V ]	10 [ μs ]	_	(CN311-B10)
3	IC105-Pin 1	DECPb	0.5 [ V ]	10 [ μs ]	_	(CN311-B9)
4	IC104-Pin 4	Y	0.5 [ V ]	10 [ μs ]	_	SW101 : B (M2)
5	IC105-Pin 11	Pr	0.5 [ V ]	10 [ μs ]	<del></del>	SW102 : B (M2)
6	IC105-Pin 4	Pb.	0.5 [ V ]	10 [ μs ]		SW103 : B (M2)
7	IC106-Pin 6	SWDY	0.5 [ V ]	10 [ μs ]		(CN311-B21)
8	IC107-Pin 6	SWDPb	0.5 [ V ]	10 [ μs ]		(CN311-B19)
9	IC108-Pin 6	SWDPr	0.5 [ V ]	10 [ μs ]		(CN311-B20)
10	IC201-Pin 3		1.0 [ V ]	10 [ μs ]		
11	IC202 - Pin 11		2.0 [ V ]	20 [ μs ]		
12	IC202 - Pin 15	C SYNC R	2.0 [ V ]	20 [ μs ]		(CN311-B23)
13	IC301-Pin 47		0.2 [ V ]	10 [ μs ]		
14	TP301		0.1 [ V ]	10 [ μs ]		
15	TP303		0.2 [ V ]	0.1 [ μs ]	2.0 [ V ]	
16	CN311-B29, B31	EE RFV REC RFV	0.2 [ V ]	50 [ ns ]		





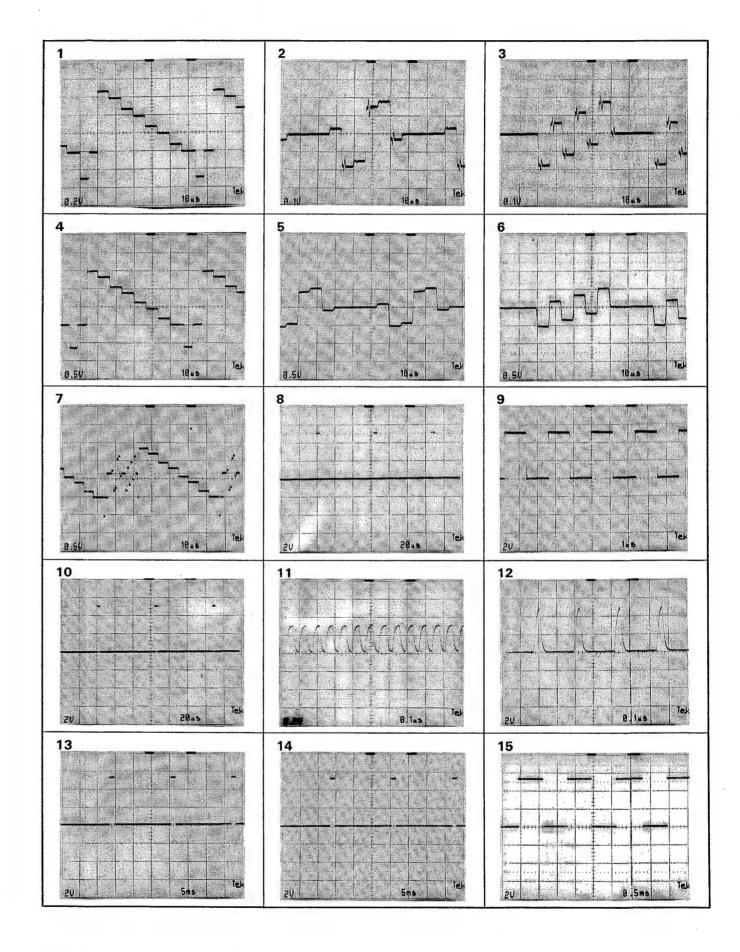


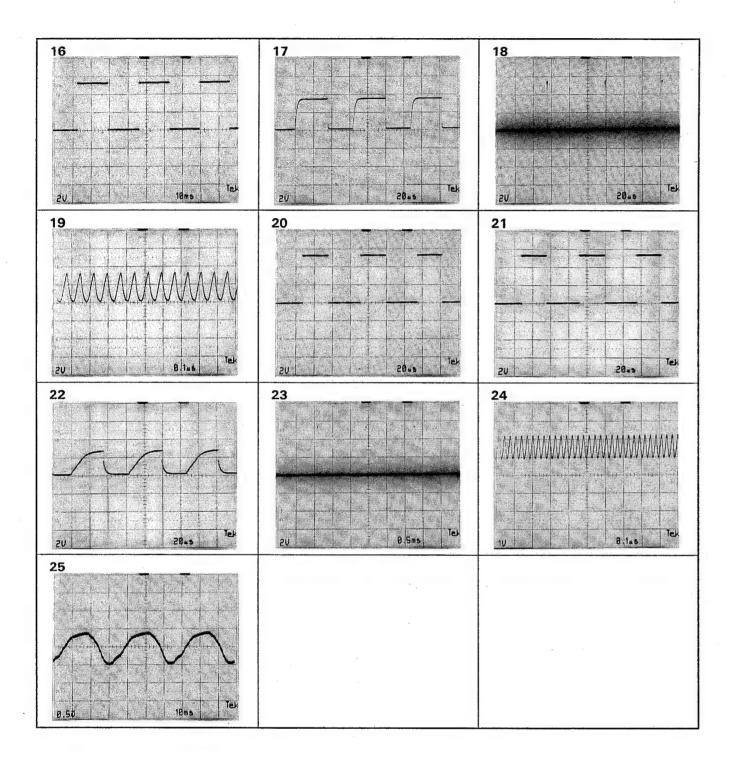


#### VENC Assy

INPUT : COLOR BAR,	COMPOSITE	INPUT (	Y. R-Y	B-Y	EE MODE
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No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	Q4 Emitter	SWDY	0.2 [ V ]	10 [ μs ]	-0.8 [ V ]	
2	Q8 Emitter	SWD R-Y	0.1 [ V ]	10 [ μS ]	-0.8 [ V ]	
3	Q12 Emitter	SWD B-Y	0.1 [ V ]	10 [ μS ]	-0.8 [ V ]	
4	TP4 (TP209)		0.5 [ V ]	10 [ μS ]	0.7 [ V ]	
5	TP6 (TP211)		0.5 [ V ]	10 [ μS ]	0.9 [ V ]	
6	TP8 (TP213)		0.5 [ V ]	10 [ μS ]	0.9 [ V ]	
7	TP10		0.5 [ V ]	10 [ μS ]	0.6 [ V ]	
8	IC28-Pin 14	SYD	2.0 [ V ]	20 [ μs ]		
9	IC9, 10, 11-Pin 2	YOS, ROS, BOS	2.0 [ V ]	1 [ μs ]		
10	IC28-Pin 62	CLMP	2.0 [ V ]	20 [ μs ]		
11	IC28-Pin 59	ACY	0.2 [ V ]	0.1 [ μs ]	_	
12	IC28 - Pin 58	ACC	2.0 [ V ]	0.1 [ μs ]	*****	
13	IC28-Pin 112	WVDA	2.0 [ V ]	5 [ ms ]		(CN2-A19)
14	IC28-Pin 98	RECVD	2.0 [ V ]	5 [ ms ]		(CN2-A3)
15	IC28-Pin 113	WASA	2.0 [ V ]	0.5 [ ms ]		(CN2-B19)
16	IC28-Pin 99	RECFF	2.0 [ V ]	10 [ ms ]		(CN2-B3)
17	TP201		2.0 [ V ]	20 [ μs ]		
18	TP202		2.0 [ V ]	20 [ μs ]		
19	X1-Pin 8		2.0 [ V ]	0.1 [ μs ]		
20	IC35 - Pin 4		2.0 [ V ]	20 [ μs ]		
21	IC28-Pin 8	TTZ	2.0 [ V ]	20 [ μs ]		
22	TP204		2.0 [ V ]	20 [ μs ]		
23	TP205		2.0 [ V ]	0.5 [ ms ]		2
24	X2-Pin 8		1.0 [ V ]	0.1 [ μs ]		
25	TP11		0.5 [ V ]	10 [ ms ]	4.0 [ V ]	

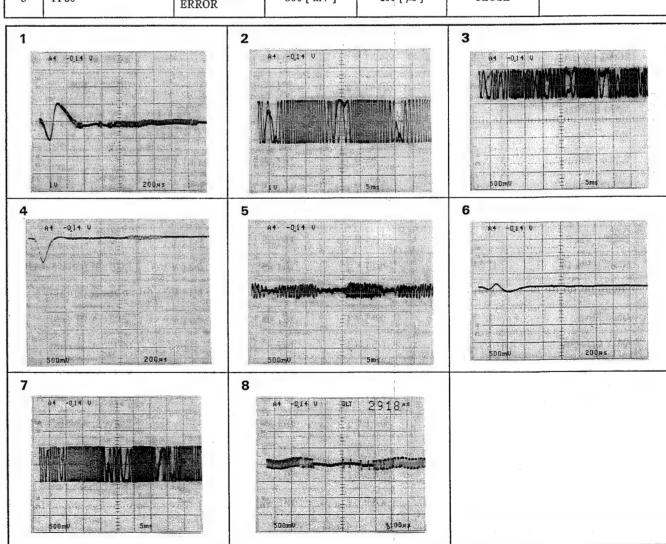




#### SVAW Assy

INPUT: COLOR BAR, COMPOSITE INPUT (Y, R-Y, B-Y) EE MODE

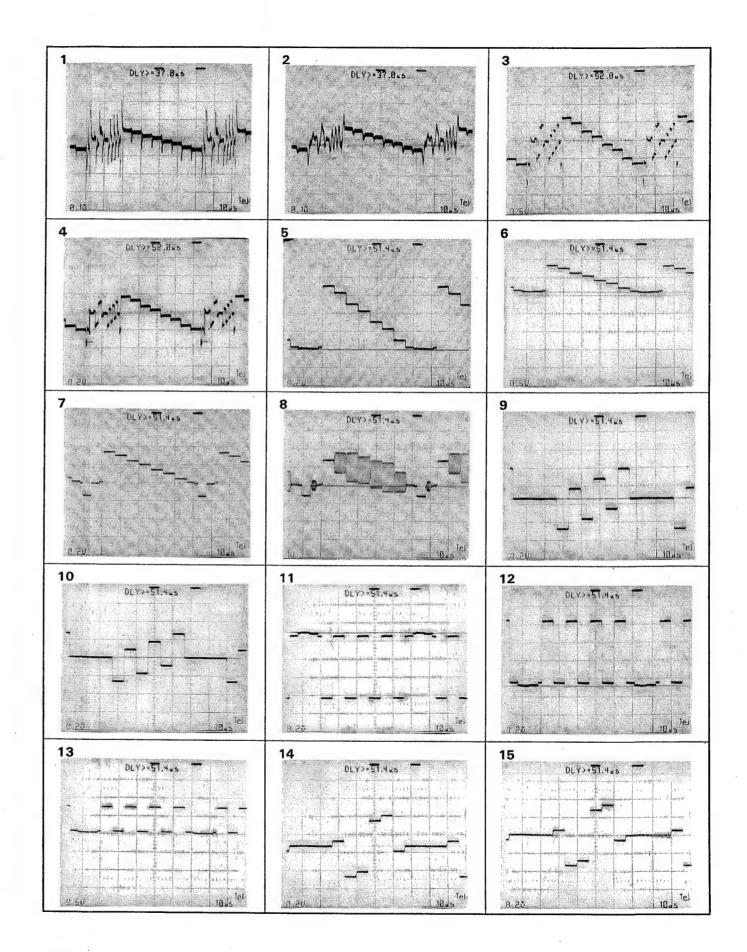
No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	TRACKING O/C	REMARKS
1	TP10	TRACKING ERROR	1.0 [ V ]	200 [ μs ]	CLOSE	PAUSE JUMP WAVEFORM
2	TP10	TRACKING ERROR	1.0 [ V ]	5 [ ms ]	OPEN	
3	TP5	LR	500 [ mV ]	5 [ ms ]	OPEN	
4	TP5	LR	500 [ mV ]	200 [ μs ]	CLOSE	
5	TP4	FOCUS ERROR	500 [ mV ]	5 [ ms ]	OPEN	
6	TP4	FOCUS ERROR	500 [ mV ]	200 [ μs ]	CLOSE	
7	TP11	TRACKING ERROR	500 [ mV ]	5 [ ms ]	OPEN	
8	TP30	TRACKING ERROR	500 [ mV ]	100 [ μs ]	CLOSE	

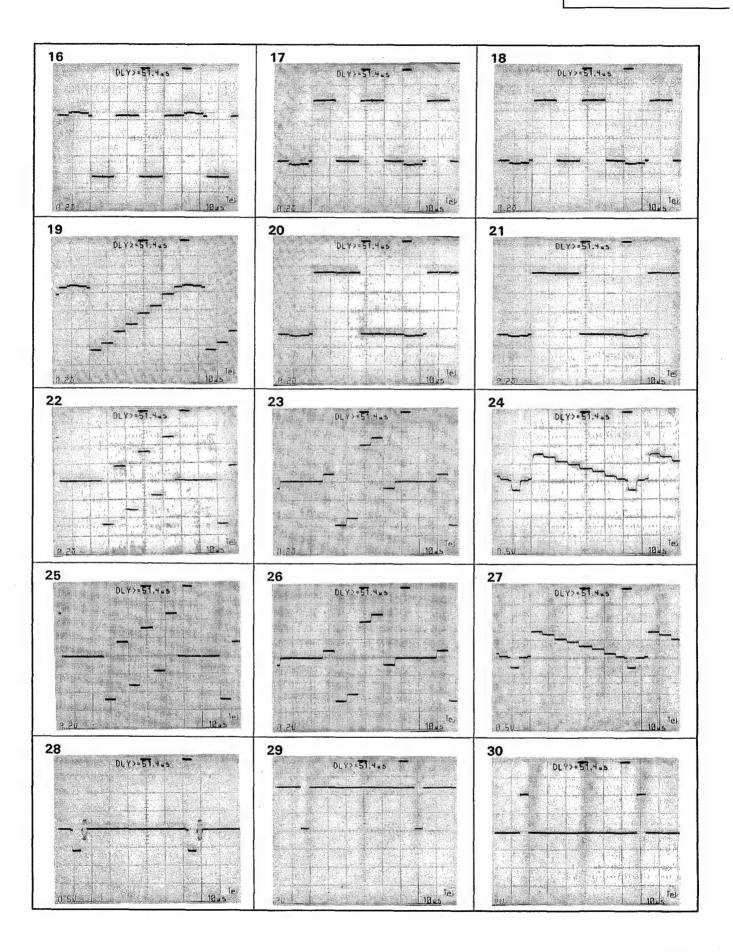


## ● VAPB Assy (1/2)

INPUT : COLOR BAR, CO	OMPOSITE INPUT	(Y, R-Y)	B-Y	EE MODE
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No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	Q306 Emitter		0.1 [ V ]	10 [ μS ]	1.8 [ V ]	
2	Q312 Emitter		0.1 [ V ]	10 [.μS]	0.7 [ V ]	
3	IC402-Pin 6	PB TCIV	0.5 [ V ]	10 [ μS ]		(CN328-B8)
4	IC402 - Pin 11		0.2 [ V ]	10 [ μS ]		
5	Q501 Base		0.2 [ V ]	10 [ μS ]		
6	Q505 Emitter		0.5 [ V ]	10 [ μS ]		
7	IC502-Pin 3		0.2 [ V ]	10 [ μS ]		
8	Q509 Base	V1 OUT	1.0 [ V ]	10 [ μS ]		(CN328 – B29)
9	Q513 Base	РВ В-Ү	0.2 [ V ]	10 [ μS ]		
10	Q516 Base		0.2 [ V ]	10 [ μS ]	2.4 [ V ]	
11	IC503-Pin 2		0.2 [ V ]	10 [ μS ]	1.6 [ V ]	
12	IC503-Pin 14		0.2 [ V ]	10 [ μS ]	1.6 [ V ]	
13	IC507-Pin 3	B OUT	0.5 [ V ]	10 [ μS ]		RGB: H (CN326-A10)
14	Q517 Base	PB R-Y	0.2 [ V ]	10 [ μS ]		CN328-B24
15	Q520 Emitter		0.2 [ V ]	10 [ μS ]	-0.8 [ V ]	
16	IC504-Pin 2		0.2 [ V ]	10 [ μS ]	1.6 [ V ]	
17	IC504-Pin 14		0.2 [ V ]	10 [ μS ]	1.6 [ V ]	
18	IC507-Pin 1	R OUT	0.2 [ V ]	10 [ μS ]	0.3 [ V ]	RGB: H (CN326-A10)
19	IC505-Pin 14		0.2 [ V ]	10 [ μS ]	1.6 [ V ]	
20	IC505-Pin 2		0.2 [ V ]	10 [ μS ]	0.9 [ V ]	
21	IC507-Pin 14	G OUT	0.2 [ V ]	10 [ μS ]	0.3 [ V ]	RGB: H (CN326-A10)
22	Q523 Base	В-У	0.2 [ V ]	10 [ μS ]	0.4 [ V ]	S502 : A (B cam)
23	Q526 Base	R-Y	0.2 [ V ]	10 [ μS ]	0.3 [ V ]	S503 : A (B cam)
24	Q527 Collector		0.5 [ V ]	10 [ μS ]		S501 : A (B cam)
25	IC507-Pin 3	B-Y OUT	0.2 [ V ]	10 [ μS ]		RGB: L (CN326-A10)
26	IC507-Pin 1	R-Y OUT	0.2 [ V ]	10 [ μS ]		RGB: L (CN326-A10)
27	IC507-Pin 14	Y OUT	0.5 [ V ]	10 [ μS ]		RGB: L (CN326-A10)
28	IC501-Pin 14	VBS OUT	0.5 [ V ]	10 [ μS ]		(CN328-B20)
29	IC508-Pin 27	C SYNC	2.0 [ V ]	10 [ μS ]		
30	CN328-B19	CS OUT	2.0 [ V ]	10 [ μS ]	-	

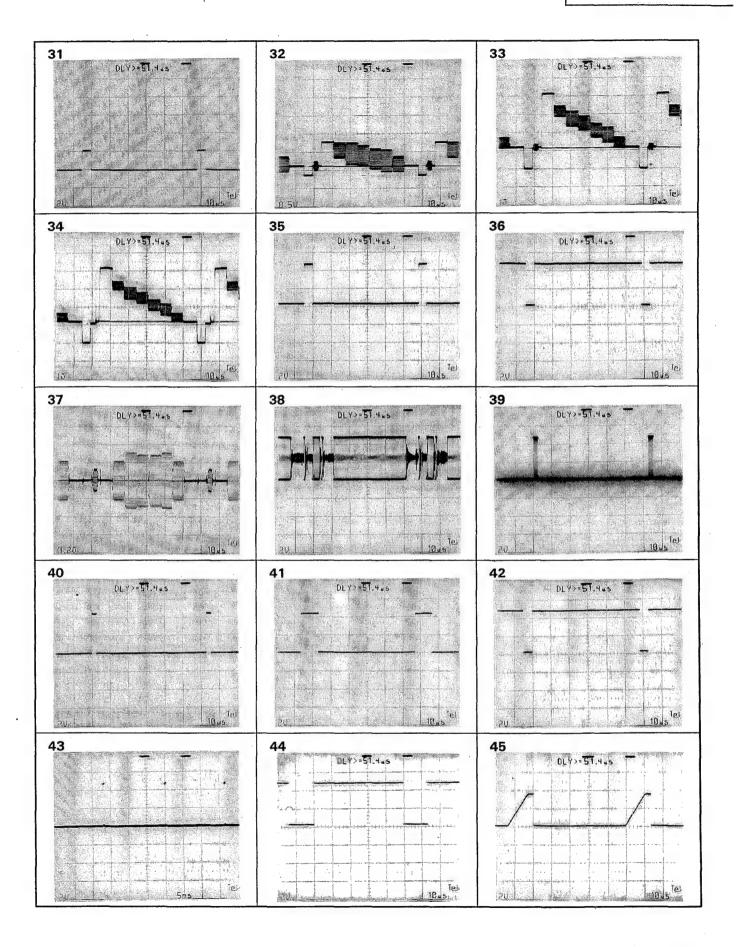


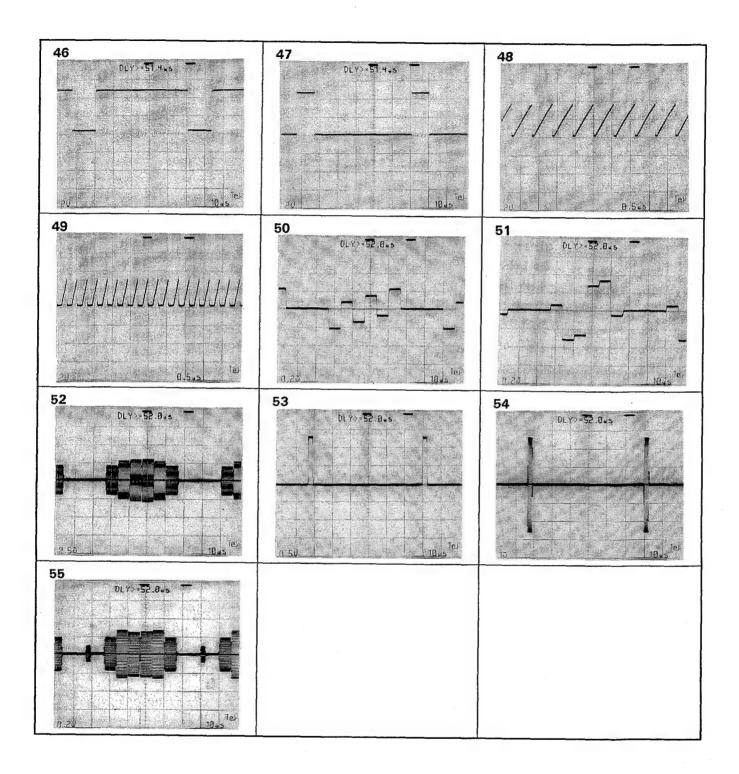


### ● VAPB Assy (2/2)

INPUT: COLOR BAR, COMPOSITE INPUT (Y, R-Y, B-Y) EE MODE

No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
31	Q532 Emitter		2.0 [ V ]	10 [ μS ]	<u> </u>	
32	Q701 Emitter		0.5 [ V ]	10 [ μS ]		
33	Q703 Emitter		1.0 [ V ]	10 [ μS ]	6.2 [ V ]	
34	IC702-Pin 6		1.0 [ V ]	10 [ μS ]	2.0 [ V ]	
35	IC704-Pin 7		2.0 [ V ]	10 [ μS ]		
36	IC707—Pin 9		2.0 [ V ]	10 [ μS ]		
37	Q704 Emitter		0.2 [ V ]	10 [ μS ]	-0.6 [ V ]	
38	IC705-Pin 8		2.0 [ V ]	10 [ μS ]	<del></del>	
39	IC706-Pin 4		2.0 [ V ]	10 [ μS ]		
40	IC708-Pin 19	BFPP	2.0 [ V ]	10 [ μS ]		
41	IC708-Pin 24	WHD	2.0 [ V ]	10 [ μS ]		
42	IC708-Pin 26	C SYNC	2.0 [ V ]	10 [ μS ]		
43	IC708-Pin 25	SG VD	2.0 [ V ]	5 [ ms ]		
44	IC711-Pin 12		2.0 [ V ]	10 [ μs ]		
45	IC706-Pin 1		2.0 [ V ]	10 [ μS ]	_	
46	IC710-Pin 7		2.0 [ V ]	10 [ μS ]		
47	IC707-Pin 3		2.0 [ V ]	10 [ μS ]		
48	IC807-Pin 3		2.0 [ V ]	0.5 [ µs ]		
49	IC810-Pin 3		2.0 [ V ]	0.5 [ µs ]		
50	Q515 Emitter	В-Ү	0.2 [ V ]	10 [ μs ]	2.7 [ V ]	
51	Q519 Emitter	R-Y	0.2 [ V ]	10 [ //s ]	2.0 [ V ]	·
52	Q655 Emitter		0.5 [ V ]	10 [ μS ]	-1.0 [ V ]	·
53	IC651-Pin 1		0.5 [ V ]	10 [ μS ]		
54	Q654 Emitter		1.0 [ V ]	10 [ μS ]	9.0 [ V ]	
55	Q658 Emitter		0.2 [ V ]	10 [ μS ]		

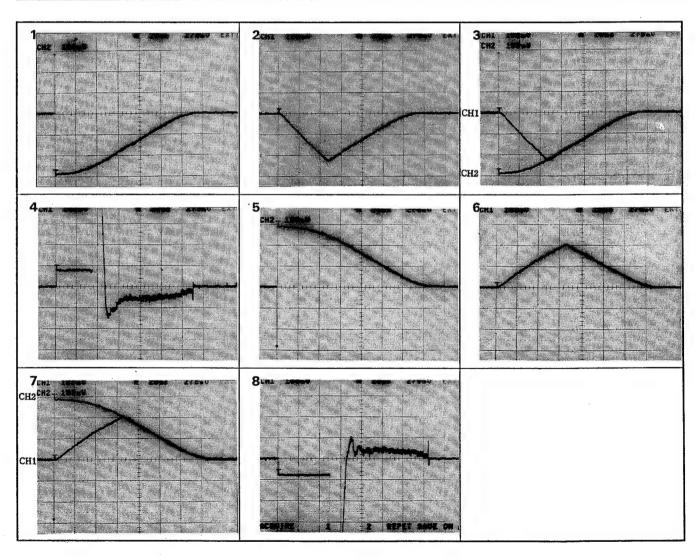




MPU Assy

INPUT: COLOR BAR, COMPOSITE INPUT (Y, R-Y, B-Y) PB MODE

No.	OBSERVATION POINT	SIGNAL NAME	V / div	T / div	OFFSET VOLTAGE	REMARKS
1	TP602 (TP702)	TARGET SPEED	100 [ mV ]	20 [ ms ]		FWD 25000 + r
2	TP603 (TP703)	PRESENT SPEED	100 [ mV ]	20 [ ms ]		FWD 25000 + r
3	TP602 (TP702) : CH1 TP603 (TP703) : CH2	SPEED WAVEFORM	100 [ mV ]: CH1 100 [ mV ]: CH2	20 [ ms ]		FWD 25000 + r
4	LME	LME	100 [ mV ]	20 [ ms ]		FWD 25000 + r
5	TP602 (TP702)	TARGET SPEED	100 [ mV ]	20 [ ms ]		REV 25000 + r
6	TP603 (TP703)	PRESENT SPEED	100 [ mV ]	20 [ ms ]		REV 25000 + r
7	TP602 (TP702) : CH1 TP603 (TP703) : CH2	SPEED WAVEFORM	100 [ mV ]: CH1 100 [ mV ]: CH2	20 [ ms ]		REV 25000 + r
8	LME	LME	100 [ mV ]	20 [ ms ]		REV 25000 + r



Mark	No. Description	Parts No.	Mark	No.	Description	Parts No.
	C2, C13, C17, C25, C29, C43, C47,	DCH1043		IC803		TC74HC393AF
	C53, C68, C70, C83, C85, C89, C90,			IC101		TC74HC4053AF
	C94, C100, C123 – C125, C130, C131, C208 (22/20)			IC501, IC5	506, IC507, IC706, IC806	TC74HC4053AF
	Cado (aarao)			IC801, IC8	311	TC74HC74AF
RESIST	TORS			IC701, IC7	703	TL601CPS UPC319G2
	VR3, VR4	DCP1047		IC704 IC503-IC	505	UPC4359C
	VR1, VR2, VR5	DCP1051		10000 10	000	
	R86, R88 R8	RN1/6PQ1000F RN1/6PQ1001F			6, Q309, Q504, Q509, Q528,	2SA933S
	R11, R12, R64, R65	RN1/6PQ1002F		Q532, Q65 Q902	8, Q703, Q705, Q801, Q802	2SB1306
		D11110D01000D			09, Q201, Q202, Q204,	2SC1740S
	R20 R85	RN1/6PQ1200F RN1/6PQ2000F			8, Q302-Q308,	
	R37, R45, R82, R87	RN1/6PQ2001F			12, Q501—Q503, Q508,	
	R18	RN1/6PQ2701F			3-Q527, Q529-Q531, 57, Q701, Q702, Q704, Q803	
	R4, R81	RN1/6PQ3001F		Q001 Q0	o,, q, o <u>-</u> , q, o-, q, <sub>y</sub> -, q	
	R89	RN1/6PQ30R0F		Q505, Q50	6	2SC3622
	R17, R19, R34, R35, R41, R42	RN1/6PQ3300F		Q901 D901		2SD1961 11ES2
	R5, R78	RN1/6PQ3301F			06, D701, D702	1SS254
	R21	RN1/6PQ4700F RN1/6PQ6801F			,	
	R7	VIVI\01.6000IL	SWIT	CHES		
	Other Resistors	RS1/10S□□□J		S501-S50	03	DSH1018
OTHER	RS		COILS	3		
	CN1, CN2 2P DIN CONNECTOR	DKM1007		F801, F90	1, F902	DTF1013 DTF1027
	X3 (13.5MHz)	DSS1032 DSX1014		F301 F501		DTF1027 DTF1031
	X2 (32.236MHz) SCREW	BPZ30P100FMC		F651		DTF1032
				VL401 (3	B5UH)	DTL1003
VAPB				L301, L30	2, L304, L305, L401-L403,	LAU100J
	CONDUCTORS				2, L651, L652, L701, L702, 6, L802, L901	
	IC402, IC502	AD844AN		L311, L70	4, L801	LAU101J
	IC802, IC808	CX23065A		L703		LAU121J
	IC401 IC201	CXA1053Q CXD7500M		L202		LAU1R8K
	IC652	M51272FP		L306		LAU220J
				L310		LAU470J
	IC508	MB90061-101A		L503 L654		LAU680J LAU6R8K
	IC104, IC105 IC708	MC1495L MN676011NPS		<b>L</b> 004		2110 021011
	IC707	MN6761S		L101		LAU8R2J
	IC702, IC709	NJM082M		L504, L50		LFA100J LFA221J
	TOCES	NITN#140GN#		L309, L65 L307, L30		LFA391J
	IC651 IC102	NJM1496M NJM2058M		1001, 100		
	IC710, IC807, IC810	NJM360D	CAPA	CITORS		
	IC901	NJM431L		C416, C51	13	CCCCH020C50
	IC805, IC809	NJM4558M			23, C533, C535, C548	CCCCH030C50
	IC509	NJM79L09A		C550		CCCCH050C50 CCCCH060D50
	IC301	PA0023A		C657 C323		CCCCH080D50
	IC302	PA3018		-500		
	IC303	PM0001 TC74HC00AF		C658, C67		CCCCH100D50
	IC812	I C/4HCOVAF		C659, C75	52, C753, C803, C818, C823,	CCCCH101J50
		TOTATTONA A F				GGGGTT1007E0
	IC705	TC74HC04AF		C126, C40	02, C568, C569	CCCCH120J50
	IC705 IC804 IC711	TC74HC04AF TC74HC08AF TC74HC221AF		C126, C40 C573 C322	02, C568, C569	CCCCH120J50 CCCCH131J50 CCCCH150J50

	C415 C707, C728 C351, C544, C212 C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547	C347, C572 C577—C579 C403	CCCCH200J50 CCCCH220J50 CCCCH221J50 CCCCH270J50 CCCCH330J50 CCCCH430J50 CCCCH470J50 CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH820J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP01M50	RESIS	C671 – C6 C726, C73 C740, C74 C801, C80 C814, C81 C828, C82 C843 – C84	63—C666, C668, 75, C677, C679, C718, C724, 80, C731, C735, C737, C738, 11, C746, C748, C754—C756, 95, C806, C808, C810, C812, 15, C819, C820, C822, C826, 19, C835, C836, C838, C840, 45, C901, C904	CKPUYY103M1 CQSA821J50
	C133, C135, C415 C707, C728 C351, C544, C212 C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547 C315, C317,	C577 – C579	CCCCH221J50 CCCCH270J50 CCCCH330J50 CCCCH430J50 CCCCH470J50 CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP01M50	RESIS	C726, C73 C740, C74 C801, C80 C814, C81 C828, C82 C843—C84 C749	30, C731, C735, C737, C738, k1, C746, C748, C754—C756, 05, C806, C808, C810, C812, k5, C819, C820, C822, C826, c9, C835, C836, C838, C840,	CQSA821J50
	C415 C707, C728 C351, C544, C212 C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547	C577 – C579	CCCCH221J50 CCCCH270J50 CCCCH330J50 CCCCH430J50 CCCCH470J50 CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP01M50	RESIS	C726, C73 C740, C74 C801, C80 C814, C81 C828, C82 C843—C84 C749	30, C731, C735, C737, C738, k1, C746, C748, C754—C756, 05, C806, C808, C810, C812, k5, C819, C820, C822, C826, c9, C835, C836, C838, C840,	CQSA821J50
	C707, C728 C351, C544, C212 C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547		CCCCH270J50 CCCCH330J50 CCCCH430J50 CCCCH470J50 CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP011M50	RESIS	C740, C74 C801, C80 C814, C81 C828, C82 C843—C84	11, C746, C748, C754—C756, 05, C806, C808, C810, C812, 15, C819, C820, C822, C826, 29, C835, C836, C838, C840,	CQSA821J50
	C351, C544, C212 C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547		CCCCH330J50  CCCCH430J50  CCCCH470J50  CCCCH510J50  CCCCH560J50  CCCCH680J50  CCCCH820J50  CCPUCH180J50  CEANP010M50  CEANP01M50	RESIS	C801, C80 C814, C81 C828, C82 C843—C8 C749	05, C806, C808, C810, C812, 15, C819, C820, C822, C826, 29, C835, C836, C838, C840,	CQSA821J50
	C212 C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547		CCCCH430J50 CCCCH470J50 CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP011M50	RESIS	C814, C81 C828, C82 C843—C8 C749	15, C819, C820, C822, C826, 29, C835, C836, C838, C840,	CQSA821J50
	C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547	C403	CCCCH470J50 CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP0R1M50	RESIS	C828, C82 C843—C8 C749 STORS	29, C835, C836, C838, C840,	CQSA821J50
	C140 C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547	C403	CCCCH470J50 CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP0R1M50	RESIS	C843-C8 C749 STORS		CQSA821J50
	C213, C214 C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547	C403	CCCCH510J50 CCCCH560J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP0R1M50	RESIS	C749 STORS	45, C901, C904	CQSA821J50
	C306 C316, C327, C125, C141 C348 C506 C709, C734 C329, C547	C403	CCCCH560J50 CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP0R1M50	RESIS	TORS		CQSA821J50
	C316, C327, C125, C141 C348 C506 C709, C734 C329, C547	C403	CCCCH680J50 CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP0R1M50	RESIS	TORS		CQSA821J50
	C125, C141 C348 C506 C709, C734 C329, C547	C403	CCCCH820J50 CCPUCH180J50 CEANP010M50 CEANP0R1M50	RESIS			
	C348 C506 C709, C734 C329, C547		CCPUCH180J50 CEANP010M50 CEANP0R1M50	RESIS			
	C348 C506 C709, C734 C329, C547		CCPUCH180J50 CEANP010M50 CEANP0R1M50		VR302. V		
	C506 C709, C734 C329, C547 C315, C317,		CEANP010M50 CEANP0R1M50			R503, VR505, VR506,	DCP1019 ·
	C709, C734 C329, C547 C315, C317,		CEANPOR1M50		VR655	11000, 111000, 111000,	201200
	C329, C547 C315, C317,					R502, VR504, VR656,	DCP1020
	C315, C317,				VR901	K302, VK304, VK030,	DCI 1020
C			CEANP101M10			D100 1/D000	DCP1021
C						R102, VR802	
C	C339, C340,	C350, C701	CEANP220M16			R301, VR304, VR501,	DCP1022
C		C557-C559, C662, C670	CEANP3R3M50		VR651, V	R652, VR702, VR801	
	C562		CEAS010M50				D. 0D. 1000
	C320, C408,	C910	CEAS101M25		VR507, V		DCP1023
		C526, C532, C534, C538,	CEAS221M10		VR653, V		DCP1036
	C549	0020, 0002, 0001, 0000,	ODIIODEIMIIO		R211, R33	30, R404, R515, R518, R585,	RD1/6PM101J
•	2043				R590, R59	92, R604, R606, R608,	
(	2102 C104	C109, C111, C116, C118,	CEAS470M25		R617-R6	19, R621, R625, R652,	
		C203, C204, C309, C311,	CEAS470W25		R661, R66	54	
		C344, C346, C401, C410,			R156, R15	57, R215, R321, R331, R332,	RD1/6PM102J
		C505, C508, C510, C511,			R672, R67	74, R705, R721, R730, R753,	
		C525, C537, C552, C554,				57, R801, R815, R836, R838,	
		C566, C574, C576, C580,			R840, R84		
		C654, C656, C660, C667,			,	6, R671, R673, R701, R702,	RD1/6PM104J
		C704, C706, C710, C712,				26, R739, R746	2022 20 02 20 20 20
		C727, C732, C736, C739,			10120, 1012	10, 1000, 10140	
		C757, C802, C809, C813,			R204, R71	0 R712	RD1/6PM105J
C	C831, C833,	C841, C903, C907, C909			R629	10, R/12	RD1/6PM220J
						29, R141, R151, R201,	RD1/6PM222J
C	C406, C407,	C729	CEAS4R7M50			22, R309, R313, R315,	RD1/01 Madaj
C	C804, C825		CEASR10M50				
C	C207, C209		CEASR47M50			20, R334, R338, R505, R509,	
C	C721, C747		CFTXA102J50			30, R531, R552, R553, R576,	
C	715		CFTXA473J50			55, R658, R659, R676, R678,	
_			•		K683, R71	.9, R720, R728, R837	
C	2328		CKCYB331K50		Deac		DD4 (4D2 5000-
		C324, C326, C723, C733	CKPUYB102K50		R507		RD1/6PM393J
	C349	,,,,,,	CKPUYB121K50			10, R142, R716,	RD1/6PM471J
	C337, C338,	C708	CKPUYB181K50			51, R756, R839	
_	2758	C108	CKPUYB471K50		R325, R32	29, R336, R501, R524, R547,	RD1/6PM472J
•	2130		CIM CID471K30		R624, R65	51, R656, R657, R660, R707,	
_	7115 (7117	C801 C908 C90E C909	CIZDLIXEGGGGG		R745, R80	)4	
	, ,	C201, C202, C205, C208,	CKPUYF223Z25		R312, R32	24, R333, R675, R723, R724,	RD1/6PM473J
		C575, C651, C653, C655,				03, R816, R817	
		C703, C705, C711, C713,				,,	
		C720, C742, C744, C750,			R158, R41	0 R630	RD1/6PM750J
	, ,	C817, C830, C832, C906,			R503	11000	RD1/6PM820J
C	C908				Other Res	istors	RN1/6PQ
			•		Other Res	100013	THE TANK OF THE PERSON
C	C101, C103,	C108, C110, C112, C113,	CKPUYY103M16	OTU	DC.		
C	C121-C124	C127, C129, C131, C134,		OTHE	NO.		
(	C136-C138	C307, C308, C310,			CN326, CI	N328 2P DIN	DKM1007
		C318, C319, C321, C325,			CONNECT		
		C335, C341 – C343, C345,				31818MHz)	DSX1016
		C417, C502, C504, C512,				01, X802 (14.31818MHz)	DSX1020
		C517, C524, C527, C529,				CREW	BPZ30P100FMC
		C540—C543, C551, C553,			50	O112 11	DI BOOT TOOL IN
		C561, C563, C565, C567					

VAR1 ASSY	Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
Canal	VAR1	ASSY					C218, C238	
C.201	SEMIC	ONDUCT	ORS				C314, C315, C322, C324	
C201		TC201		AD539JN		C243, 0		
C394   CXD1171M   C102 - C106, C108, C109, C111, C113, C112, C11						C310		CKPUYF103Z25
C3092   CXD1176Q		IC301		AD847JN			C110 C110 C111	OKDITED000705
C.009		IC304						CKPUYF223225
C.2017		IC302		CXD1176Q				
CC202   CCXD2105AQ   C237, C242, C301, C302, C305, C307, C304   C305   C305   C304   C305   C304   C305				G7770-1-1-00-0				
C230								
IC310								
C1016						C321, (	C323, C325, C327, C336, C339,	
C.1010			·					
IC200		IC104. IC	105	NJM2058D				-
C209				NJM431L				
ICI01 - ICI03		IC207				C235, (	C331 – C333, C349, C350	CQMA473J50
C101   C102					DEOLO	TORC		
IC313		IC101-IC	C103	TC4053BP	RESIS	TORS		
IC294, IC295				TOTAL TOO AT		VR301	-VR303	
IC206, IC309			205					
TC312								
IC305, IC306, IC3011   TC74HC86AP   VR305   DCP1031			309					
IC208, IC308			306 IC311					
TC107		10000, 10	000, 10011			V IC303		DOI 1001
C1017		IC208, IC	308			R101.	R102	DCN1024
Q201, Q203, Q204, Q206, Q301 - Q304   Q206   Q201								RN1/6PQ1000F
Q205   SD1961   R235   RN1/6PQ1102F								
D201 11ES2 R215, R236 RN1/6PQ1202F R215, R236 RN1/6PQ1202F R215, R236 RN1/6PQ1202F R310, D101, D102 R231, R310, R310, R322, R347 RN1/6PQ22001F R310, R322, R347 RN1/6PQ22001F R303, R304 DTF1021 R214, R232, R233 RN1/6PQ2200F R303, R304 DTF1022 R309, R316 RN1/6PQ2401F R303, R304 L102, L103, L201, L301 L2014 L4U100J R302 RN1/6PQ2401F L202, L203, L305 LAU121J R201, R301, R303, R312, R313, R319, RN1/6PQ2701F R307 R326, R327 RN1/6PQ3301F R307 RN1/6PQ3301F R307 RN1/6PQ3301F R307 RN1/6PQ3301F R307 RN1/6PQ3301F R307 RN1/6PQ3301F R307 RN1/6PQ3301F R213 RN1/6PQ4701F R216, R306, R331 R313, R319, R316PQ3701F R216, R306, R331 R312, R313, R319, R316PQ3701F R216, R306, R331 R312, R313, R319, R316PQ3701F R216, R306, R331 R312, R313, R319, R316PQ3701F R213 R313, R319, R316PQ3701F R213 R313, R319, R316PQ3701F R213 R313, R319, R316PQ3701F R313 R319, R316PQ3701F R3213 R313, R319, R316PQ3701F R3213 R321, R313, R319, R316PQ3701F R3213 R31			03, Q204, Q206, Q301—Q304				R318	
D201		Q205		2201901			200	
D101, D102   MTZJ6.2A   R304   RN1/6PQ1301F   R317   RN1/6PQ2001F   R310, R322, R347   RN1/6PQ2001F   R310, R322, R347   RN1/6PQ2202F   R302   R309, R316   RN1/6PQ2202F   R303, F304   DTF1022   R309, R316   RN1/6PQ2401F   R310, L102, L103, L201, L301 − L304   LAU100J   R302   R302   RN1/6PQ2401F   R326, R327   RN1/6PQ3301F   R326, R327   RN1/6PQ3301F   R326, R327   RN1/6PQ3301F   R326, R327   RN1/6PQ4701F   R3213   RN1/6PQ4701F   R213   RN1/6PQ4701F   R216, R306, R331   RN1/6PQ8201F   RN1/6PQ3301F   RN1/6PQ3301		D201		11ES2		R215,	R236	KN1/0PQ1202F
F301			02			D304		RN1/6PQ1301F
F301		,						
F301 DTF1021 R214, R232, R233 RN1/6PQ2202F F302 DTF1022 R309, R316 RN1/6PQ2401F F303, F304 DTF1023 L102, L103, L201, L301−L304 LAU100J R302 L202, L203, L305 LAU121J R201, R301, R303, R312, R313, R319, R1/6PQ3301F R226, R327 R307 RN1/6PQ3301F R213 RN1/6PQ4701F R213 RN1/6PQ4701F R213 RN1/6PQ4701F R213 RN1/6PQ4701F R213 RN1/6PQ8201F C304 CCCCH100D50 C219, C221, C222, C224 CCCCH151J50 C342 CCCCH151J50 C342 CCCCH151J50 C342 CCCCH151J50 C342 CCCCH151J50 C342 CCCCH151J50 C342 CCCCH181J50 C342 CCCCH181J50 CCCCH181J50 OTHERS  C335 CCCCCH240J50 X301 (14.31818MHz) DSS1024 C357 C211, C213 CCCCH270J50 CCCCH240J50 SCREW BPZ30P100FMC C357 CANPOIOM50 C357 CEANPOIOM50 C357 CEANPOIOM50 C358 CCANPOIOM50 C358 CCCCH470J50 CEANPOIOM50 C358 CCEANPOIOM50 C357 CEANPOIOM50 C358 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	COILS	}					R322, R347	RN1/6PQ2200F
F302 DTF1022 R309, R316 RN1/6PQ2401F F303, F304 DTF1023 L102, L103, L201, L301−L304 LAU100J R302 R201, R301, R303, R312, R313, R319, R31/6PQ300F L202, L203, L305 LAU121J R201, R301, R303, R312, R313, R319, R31/6PQ300F R326, R327 R307 RN1/6PQ301F R213 RN1/6PQ4701F R213 RN1/6PQ4701F R214 CCCCH100D50 R216, R306, R331 RN1/6PQ8201F C304 CCCCH121J50 Other Resistors RD1/6PM□□□J C342 CCCCH121J50 OTHERS  C335 CCCCH270J50 CCCCCH270J50 CCCCCH70J50 CCCCCCH70J50 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		F301		DTF1021				RN1/6PQ2202F
F303, F304 L102, L103, L201, L301−L304 LAU100J L202, L203, L305 LAU121J R302 R201, R301, R303, R312, R313, R319, R326, R327 R307 R301 R213 R302 R31, R303, R312, R313, R319, R326, R327 R307 R301 R213 R301 R213 R307 R313 R11/6PQ3301F R213 R11/6PQ4701F R216, R306, R331 R11/6PQ301F R216, R306, R331 R11/6PQ300F R216, R306, R331 R11/6PQ300F R216, R306, R331 R11/6PQ300F R216, R306, R331 R11/6PQ300F R307 R216, R306, R331 R11/6PQ300F R216, R306, R331 R11/6PQ300F R216, R306, R331 R11/6PQ300F R307 R216, R306, R312, R313, R319, R319, R306 R307 R216, R306, R327 R307 R216, R306, R331 R1/6PQ300F R307 R307 R307 R307 R308, R312, R313, R319, R319, R308 R308, R312, R313, R319, R316, R308 R308 R308 R308 R308 R308 R308 R308						R309,	R316	RN1/6PQ2401F
L102, L103, L201, L301−L304 L202, L203, L305  LAU121J  R201, R301, R303, R312, R313, R319, R326, R327  R307  R307  R307  R213  R308  R316PQ2701F  R326, R327  R307  R316PQ3300F  R326, R327  R307  R213  R306, R321  R307  R213  R307  R106PQ3301F  R216, R306, R331  R016PQ4701F  R216, R306, R331  R016PQ4701F  R216, R306, R331  R016PQ4701F  R216, R306, R331  R016PM□□□  R216, R306, R331  R016PM□□□  R216, R306, R331  R016PM□□□  R316  R			04	DTF1023				D24 (4D00501E)
R326, R327 R397 RN1/6PQ3301F RCM1001 RCM1001 R216, R306, R331 RN1/6PQ4701F R307 RN1/6PQ4701F R313 RN1/6PQ4701F R316, R306, R331 RN1/6PQ8201F C304 C219, C221, C222, C224 CCCCH121J50 C342 CCCCH151J50 C212, C214 CCCCH181J50 OTHERS  C335 CCCCH240J50 C358 CCCCH270J50 C358 CCCCH470J50 C357 C336 CEANP010M50 C337 C330 CEANP100M16 C338 C338, C341, C351, C353 C230 CEANP100M16 C119 C110, C112, C114, C116, C202, C205, C2AS010M50 C119 C110, C112, C114, C116, C202, C205, C2AS100M50 C119 C110, C112, C114, C116, C202, C205, C2AS100M50 C119 C110, C126, C226, C227, C231, C233, C239—C241, C306, C311, C319, C326, C239 C239—C241, C306, C311, C319, C326, C235, C336 C339—C241, C306, C311, C319, C326, C336 C339—C241, C306, C311, C319, C326, C336 CXCCCH100D50 R321 RN1/6PQ3301F R326, R327 RN1/6PQ3301F R326, R327 RN1/6PQ3301F R326, R327 RN1/6PQ3301F R213 RN1/6PQ3301F RN1/6PQ3301F RN1/6PQ3301F R213 RN1/6PQ3301F RN1/6PQ331F RN1/6PQ3301F RN1/6PQ3301F RN1/6PQ3301F RN1/6PQ3301F RN1/6PQ331 RN1/6PQ331F RN1/6PM				LAU100J			Total Data Data Data	
CAPACITORS       R307 R1/6PQ3301F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ4701F RN1/6PQ8201F RN1/6PQ4701F RN1/6PQ470		L202, L2	03, L305	LAU121J		R201,	R301, R303, R312, R313, R319,	KM1/6PQ5500F
TC301 RCM1001 R213 RN1/6PQ4701F C304 CCCCH100D50 C219, C221, C222, C224 CCCCH121J50 Other Resistors RD1/6PM□□□J C342 CCCCH151J50 C212, C214 CCCCH181J50 OTHERS  C335 CCCCH240J50 X301 (14.31818MHz) DSS1024 C211, C213 CCCCH270J50 X301 (14.31818MHz) DSS1024 C358 CCCCH470J50 SCREW BPZ30P100FMC C357 CEANP100M16 C357 CEANP100M16 C338, C341, C351, C353 CEANP4R7M25 C338, C341, C351, C353 CEAS010M50 C119 CEAS100M50 C110, C112, C114, C116, C202, C205, CEAS470M25 C210, C216, C226, C227, C231, C233, C239 -C241, C306, C311, C319, C326, C236, C236, C311, C319, C326, C239 -C241, C306, C311, C319, C326, C205, C226, C227, C231, C233, C239 -C241, C306, C311, C319, C326, C226, C326, C327, C331, C319, C326, C326, C326, C326, C326, C326, C326, C326, C327, C331, C339, C336, C336, C331, C339, C336, C336, C331, C339, C336, C336, C331, C339, C336, C331, C339, C336, C336, C331, C339, C336, C336, C336, C331, C339, C336, C336, C336, C336, C331, C339, C336,							R321	RN1/6PQ3301F
TC301       RCM1001       R216, R306, R331       RN1/6PQ8201F         C304       CCCCH100D50       Other Resistors       RD1/6PM□□□         C219, C221, C222, C224       CCCCH121J50       Other Resistors       RD1/6PM□□□         C342       CCCCH151J50       OTHERS         C212, C214       CCCCH240J50       CN309 2P DIN CONNECTOR       DKM1007         C235       CCCCH270J50       X301 (14.31818MHz)       DSS1024         C358       CCCCH470J50       SCREW       BPZ30P100FMC         C357       CEANP010M50       SCREW       BPZ30P100FMC         C338, C341, C351, C353       CEANP4R7M25       SEMICONDUCTORS       SEMICONDUCTORS         C388, C341, C351, C353       CEAS4100M50       IC106 – IC108       AD847JN         C110, C112, C114, C116, C202, C205, C205, C205, C205, C205, C21, C231, C233, C239 – C241, C306, C311, C319, C326,       CEAS470M25       IC201       NJM082D         C239 – C241, C306, C311, C319, C326,       IC303       NJM431L       NJM431L	CAPA	CITORS						
C304 C219, C221, C222, C224 CCCCH100D50 C342 C212, C214 CCCCH151J50 C212, C214 CCCCH181J50 C212, C214 CCCCH181J50 CCCCH181J50 CCCCH181J50 CCCCH181J50 OTHERS  C335 CCCCCH240J50 C211, C213 CCCCH270J50 C358 CCCCH270J50 C357 CEANP010M50 C336 CEANP100M16 C337 C338 C338, C341, C351, C353 CEANP100M16 C338, C341, C351, C353 C119 C110, C112, C114, C116, C202, C205, CEAS470M25 C110, C216, C226, C227, C231, C233, C239 − C241, C306, C311, C319, C326, C239 − C241, C306, C311, C319, C326, C226, C227, C231, C236, C239 − C241, C306, C311, C319, C326, C226, C327, C326, C326, C327, C326, C326, C327, C326, C326		TC301					R306, R331	
C342						,	<b></b> ,	
C212, C214  CCCCH181J50  OTHERS  C335  CCCCH240J50 C211, C213 CCCCH270J50 C358 CCCCH470J50 CCCCH470J50 CCCCH470J50 CCCCH470J50 CCCCH470J50 CCANP010M50 C357 CEANP100M16  C230 CEANP4R7M25 C338, C341, C351, C353 C119 C110, C112, C114, C116, C202, C205, C210, C216, C226, C227, C231, C233, C239—C241, C306, C311, C319, C326, C32			21, C222, C224	-		Other	Resistors	RD1/6PM□□□J
C335								
C211, C213		C212, C2	14	CCCCH181J30	OTH	ERS		
C211, C213		C335		CCCCH240150		CN309	2P DIN CONNECTOR	
C358			13			X301		-
C357 C303 CEANP100M16  CEANP100M16  VAR2 ASSY  C230 CEANP4R7M25 C338, C341, C351, C353 CEAS010M50 C119 CEAS100M50 CEAS10M50 CEAS100M50 CEAS10M50 CEAS100M50 CEAS100M5				CCCCH470J50			SCREW	BPZ30P100FMC
C230 CEANP4R7M25 C338, C341, C351, C353 CEAS010M50 C119 CEAS100M50 CEAS100M50 C110, C112, C114, C116, C202, C205, C210, C216, C226, C227, C231, C233, C239—C241, C306, C311, C319, C326, C311, C319, C								
C230 CEANP4R7M25 CEAS010M50 CEAS010M50 CEAS100M50 CI19 CEAS100M50 CEAS100M50 CI10, C112, C114, C116, C202, C205, CEAS470M25 IC301 CXA1052Q C210, C216, C226, C227, C231, C233, C239-C241, C306, C311, C319, C326, IC303 CEAS470M25 CEAS		C303		CEANP100M16	VAD	2 466	v	
C338, C341, C351, C353 CEAS010M50 C119 CEAS100M50 CEAS100M50 CI10, C112, C114, C116, C202, C205, CEAS470M25 C210, C216, C226, C227, C231, C233, C239-C241, C306, C311, C319, C326, C239-C241, C306, C311, C319, C326, CEAS010M50 CEAS01		Casu		CEANPAR7M25				
C119 CEAS100M50 IC106—IC108 AD847JN C110, C112, C114, C116, C202, C205, CEAS470M25 IC301 CXA1052Q C210, C216, C226, C227, C231, C233, IC201 NJM082D C239—C241, C306, C311, C319, C326, IC303 NJM4552P			841 C351 C353		SEM	CONDU	JCTORS	
C110, C112, C114, C116, C202, C205, CEAS470M25 IC301 CXA1052Q NJM082D C210, C216, C226, C227, C231, C233, IC201 NJM082D C239—C241, C306, C311, C319, C326, IC303 NJM431L			.11, 5001, 6000			IC106	-IC108	
C210, C216, C226, C227, C231, C233, IC201 NJM082D C239—C241, C306, C311, C319, C326, IC303 NJM451L			12, C114, C116, C202, C205,					
C259—C241, C500, C511, C515, C520,		C210, C2	216, C226, C227, C231, C233,					
C328—C330, C337, C346, C359 IC304 NJM4558D								
	•	C328-C	330, C337, C346, C359			10304		14)1M14:000D

Mark	No. Description	Parts No.	Mark	No.	Description	Parts No.
	IC302	TC74HC04AP		R206, R208	3	RD1/6PM105J
	IC204	TC74HC221AP		R322-R32		RD1/6PM151J
	IC104, IC105	TC74HC4052AP		R145		RD1/6PM154J
	IC202	TC74HC4053AP		R202, R205	5, R211	RD1/6PM182J
	IC203	UPC319C		R122		RD1/6PM274J
	IC101-IC103	UPC4359C			3, R212, R321	RD1/6PM473J
	Q304	2SB1306		R126		RD1/6PM474J
	Q102, Q201, Q202, Q301, Q302, Q305	2SC1740S		R201		RD1/6PM561J
	Q303	2SD1961		Other Resis	stors	RN1/6PQ□□□□I
	Q101	DTC124ES	OTHE	RS		
	D301	11ES2			DIN COMMECTOR	DKM1007
	D201-D204	1SS254			DIN CONNECTOR REW	BPZ30P100FMC
SWIT	CHES					
	S101-S103	DSH1018	VDEC	CASSY		
COILS			SEMIC	CONDUCTO	ORS	
COILC		DODE: 1000		IC42		BA728F
	F301	DTF1026		IC504		CX23065A
	L101, L102, L201, L202, L301	LAU100J LAU221J		IC17		CXD1171M
	L203	LAU330J		IC14		CXD1175AM
	L302	LAUSSUJ		IC16		CXD1177Q
CAPA	CITORS			IC6		CXD7500M
	C108, C114, C121	CCCCH020C50		IC18-IC21		CXK1206M
	C104, C112, C119	CCCCH050C50		IC7		EL2020CN
	C313	CCCCH080D50		IC39		HD74ACT166FP
•	C215, C217 C308, C314	CCCCH101J50 CCCCH120J50		IC26, IC27		HD74ACT283FP
	C308, C314	CCCCH120J30		IC11, IC12	. IC15	LM360N
	C205	CCCCH470J50		IC34	, ====	MB88346BPF
	C304	CCCCH680J50		IC46		NJM082M
	C327	CCCCH750J50		IC507		NJM2903M
	C208	CEANPOR1M50		IC13		NJM319M
	C303	CEAS101M10				3773 64043 6
	0100 0111 0110	CE A COOLMECTO		IC1	CO TO10 TO100	NJM431M
	C103, C111, C118 C101, C105—C107, C109, C113, C115,	CEAS331M6R3 CEAS470M25		IC2-IC5, I	IC8, IC10, IC102	NJM4558M PD4356D
	C101, C103—C107, C109, C113, C113, C116, C120, C122, C123, C129, C132,	CEA5470M25		IC38		PD4357A
	C201, C203, C207, C220, C311, C317,			IC22, IC24		TC74ACT157F
	C322, C323	•		1022, 1024		10,111011011
	C305, C306	CEAS4R7M50		IC23		TC74ACT541F
				IC503		TC74HC161AF
	C206	CKCYB331K50		IC48		TC74HC174AF
	C319-C321	CKCYB472K50		IC530		TC74HC221AF
	C326	CKDYB102K50		IC41, IC47		TC74HC4066AF
	C102, C110, CF117, C124—C126,	CKPUYF223Z25		10504		TOTALICTA A TO
	C128, C130, C131, C133—C136, C202,			IC501		TC74HC74AF TC74HCT04AF
	C204, C209, C210, C212—C214, C216, C219, C301, C302, C307, C310, C312,			IC508 IC30		TC74HCT541AF
	C315, C316, C318, C324, C325			IC30 IC28, IC29		TC74HCT574AF
	C313, C310, C316, C324, C323			IC40		TC7S00F
	C211	CQMA473J50				
חבטי	TORC			IC302	00	TC7S02F
RESIS	STORS			IC506, IC5		TC7S04F TC7S08F
	VR301-VR305	DCP1021		IC502 IC505		TC7S66F
	VR306	DCP1032		IC300		TC7W04F
	R150-R152, R333, R335-	RD1/6PM101J		10000		10111011
	R203, R207, R209, R303, R306, R314,	RD1/6PM102J		IC9		UPC393G2
	R315, R331, R334	DID1/CDM100T		IC31-IC3	3	UPD42101G-3
	R127, R132, R137, R143, R148, R319,	RD1/6PM103J		IC25, IC35		UPD42102G-3
	R320, R327, R328			,	•	

Mark	No.	Description	Parts No.	Mark	N	о.	Description	Parts No.
	Q6, Q14 – Q Q1, Q7, Q1 Q13 Q8, Q10, Q Q2, Q9, Q5	8, Q304 11	2SA1037K 2SC2412K 2SC3624 2SK508 DTA114EK		C91 C1, C60 C79 C11	C14, C , C61, —C81, 1, C11	234, C37, C52, C54, C58, C63, C65, C69 – C71, C84, C88, C101, C105, 3, C316 – C320, C323, C324,	CQMA333J50 CQMA471J50 DCH1043
	Q300 D2-D4, D3 D308-D31	300, D303, D304, 0, D320	DTC114EK 1SS221	RESIS'	C50 TOR:			
	D1 D302 D5, D7, D3 D6, D8 D9-D14		MTZ11C MTZJ8.2B SEL3410GLC05 SEL3910DLC05 SEL3C10RLC05		VR4 VR3 R37	, R39,	, VR5 , VR7, VR9 R44, R91 0, R326, R327, R330	DCP1046 DCP1047 DCP1051 RN1/6PQ1001F RN1/6PQ1002F
SWIT	CHES				R31 R38	8, R32	1	RN1/6PQ1502F RN1/6PQ2201F
	S2-S4 S1		DSH1018 OSX1007		R33	2 4, R10	5	RN1/6PQ2401F RN1/6PQ3300F RN1/6PQ3601F
COILS	F5-F7		DTF1013			R43, I		RN1/6PQ3901F
	F1 F4 F2, F3 L1-L3		DTF1028 DTF1029 DTF1048 LAU100K		R33	3 , R101	2, R328, R329, R331 , R106, R107	RN1/6PQ3902F RN1/6PQ4301F RN1/6PQ5600F RN1/6PQ5601F
	L4 F8-F12		LAU101K VTH1012		R33 R33 R53 R53	8 2	5, R386, R504, R508	RS1/10S102F RS1/10S132F RS1/10S202F RS1/10S302F
CAPA	CITORS				R33			RS1/10S392F
	C11 C97 C3, C520 C75, C76 C530 – C533	2	CCSQCH070D50 CCSQCH101J50 CCSQCH151J50 CCSQCH180J50 CCSQCH181J50	OTHE		er Res	istors	RS1/10S432F RS1/10S□□□J
	C326, C514 C329 C322, C503 C312, C340 C24	· ·	CCSQCH200J50 CCSQCH220J50 CCSQCH221J50 CCSQCH330J50 CCSQCH331J50		X1 X3	84 (12.23 (32.23	2P DIN CONNECTOR P SOCKET 88MHz) 86MHz) 00MHz)	DKM1007 DKH1001 DSS1025 DSX1014 DSX1015
	C15, C74, C C8, C108, C		CCSQCH470J50 CEANP010M50			SC	CREW	BPZ30P100FMC
	C10 C9, C12		CEANPR33M50 CEANPR47M50	ADEN	1 AS	SSY		
	C26-C28,	C42, C43, C45, C47, C49	CEAS101M25	SEMIC			ORS	
	C29-C33,		CKSQYB102K50 CKSQYF103Z50 CKSQYF104Z25		IC3 IC5 IC5 IC4 IC5	10 03 53		AD96685BQ CX20099 CXD1077M CXD1095Q CXD1208Q
	C59, C62, C64, C66—C68, C77, C82, C83, C85—C87, C93—C96, C98, C102—C104, C110, C112, C300—C304, C307, C311, C315, C321, C325, C328, C505, C507, C509—C512, C533				IC4	59, IC: 57 13, IC:	502 (HM6264ALFP – 10T) 114	CXD7500M GGF—913 HM6287P—55 LM6361M LM6364M
	C504 C90		CQMA123J50 CQMA152J50		IC3 IC3			MC10H113M MC10H124M

Mark	No.	Description	Parts No.	Mark	No		Description	Parts No.
	IC304		MC10H125M		L312,	L501	(5.6UH)	DTH1125
	IC306		MC10H131M		L203	(1.5U)	H)	DTH1126
	IC308, IC309	9	NJM082M					
	20000, 2000				L204	(2.2U)	H)	DTH1127
	IC105, IC107	7, IC205, IC305, IC318,	NJM431M		L205,	L303	(3.3UH)	DTH1128
	IC504	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-		L311	(1.8U)	H)	DTH1129
	IC111, IC204	4. IC314	NJM4560M			(12UF		DTH1130
		1, IC313, IC507—IC509,	NJM5532M				(47UH)	DTH1134
	IC513	_,,,	-					
	IC212, IC51	5 .	NJM78L09A				L106-L109, L307, L310,	LFA101K
						L503,		T777TT1001
	IC516		NJM79L09A		F301-	-F307,	F451-F454, F501	VTH1001
	IC454		PD4429A		0.00	•		
	IC311, IC312	2	TC4053BF	CAPA	CITOR	S		
	IC102		TC74HC00AF		TC50	1 (25p	)	DCM1008
	IC103, IC11	5	TC74HC04AF		C506,			CCCUJ330J50
			TOTAL AND		C123,			CCSQCH050D50
	IC452		TC74HC10AF		C484,	C540,	C543, C585, C588	CCSQCH101J50
	IC464		TC74HC165AF		C203,	C204		CCSQCH150J50
	IC209, IC45	1	TC74HC32AF		,			
	IC316		TC74HC393AF		C309			CCSQCH151J50
	IC110, IC30	2	TC74HC4053AF			C538,	C541, C546, C548	CCSQCH270J50
						C559,		CCSQCH330J50
	IC108, IC20		TC74HC4066AF			C247,		CCSQCH331J50
	IC455, IC45	6	TC74HC541AF		C205	,		CCSQCH470J50
	IC317		TC74HC74AF					
	IC458		TC74HCU04AF		C343			CCSQCH471J50
	IC201		UPA101G		C308			CCSQCH510J50
			TTD 1 1000		C547,	C549		CCSQCH620J50
	IC101		UPA103G		C500,			CCSQCH680J50
	IC208, IC21	0	UPC319G2		C405			CCSQCH750J50
	IC315	0001 0000	UPC393G2					
		, Q201, Q203,	2SA1462		C545,	C550		CCSQSL561J50
		9, Q218, Q311, Q314,				C537.		CCSQSL681J50
		, Q321, Q503	0CD1114				C251, C270, C524, C593	CEANP010M50
	Q303		2SB1114		C154,	C155,	C560, C564, C576, C579	CEANP100M25
	0100 0110	0114 0000 0004	0000725		C591,	C592,	C611	CEANP220M25
		-Q114, Q202, Q204,	2SC3735					
	Q210, Q301,	, Q302, Q313, Q315, Q318,			C534,	C535,	C553, C583, C584, C610	CEAS100M25
	Q322, Q504	, Q510	2SD1614		C586,	C589		CEAS101M16
	Q501		2SK508				C455, C458, C461, C477,	CEAS221M16
	Q505-Q508	7 0911 0912 0917	DTA124EK		C603,	C607		
		7, Q211, Q213, Q217,	DIAIZ4EK		C103,	C105,	C116, C121, C129, C131,	CEAS470M16
	Q319, Q324	, Q509 - O216 O210 O220	DTC124EK				C146, C148, C150, C165,	
		-Q216, Q310, Q320,	D10124UK				C212, C213, C215, C220,	
	და <i>გ</i> ა, Q450	, Q451, Q502, Q511—Q514					C230, C242, C244, C248,	
	Dine Dani	D202 D205 D201 D455	1SS221				C280, C303, C305, C326,	
	•	, D202, D205, D301, D455,	100441				C332, C338, C339, C349,	
		4, D506 – D509	1T33-T8				C361, C366, C368, C372,	
	D501, D512	, D204, D206, D307	HSM88WA				C412, C417, C452, C454,	
		, 1/204, 1/200, 1/307	HZS3B2				C483, C509, C514, C517,	
	D105 D208, D510	D511	RB100A				C539, C542, C551, C552,	
	D400, D510	, 2011	10000		C554,	, C565,	C569, C570, C613	
	D107, D306	5, D451-D454	SEL2210S		CECE	CEGO		CFTXA224J50
	220,, 10000	,				C580		CFTXA333J50
SWIT	CHES					, C571		CFTXA334J50
CVVII			DOTTION		C503			CFTXA473J50
	S1, S2		DSH1018		C397			CFTXA562J50
	_				C558	, C574		CF 1 AA302J30
COIL	5				CEGO	CE70		CFTXA681J50
	F10, F11, F	F13, F16	DTF1003			, C578 , C577		CFTXA822J50
		F9, F14, F15	DTF1013				C363, C391, C413, C414,	
	F502, F503		DTF1019			, C347, , C614	0000, 0001, 0410, 0414,	5110@151021100
					C000	, 0014		

Mark	No.	Description	Parts No.	Mark	No	).	Description	Parts No.
		, C107, C109, C110, C117,	CKSQYB103K50		,	, ,	R537, R538, R551, R552	RS1/10S242F
		, C124, C128, C130, C132,					R326, R510	RS1/10S272F
	,	, C145, C147, C149,				, R272,		RS1/10S273F RS1/10S302F
		3, C156—C158, C160, , C166, C169, C207, C209,					R239, R369, R402, R519, R544, R557, R558	K31/1033021
		, C216, C219, C223—C226,			1020,	, 11010,	1011, 1001, 1000	
		, C241, C243, C245, C249,				, R534		RS1/10S304F
		6, C258, C260, C263, C264,					R323, R381, R387, R408,	RS1/10S332F
		-C277, C304, C306, C307,					R546, R554, R556	DC1/10C201E
		6, C319—C325, C327, , C333—C335,					R139, R148—R150, R223, R235, R301, R302,	RS1/10S391F
		2, C344—C346, C348,				, R210, . R397.		
		3, C357, C358, C360, C362,			,	,,		
		C369, C371, C373-C377,				, R603		RS1/10S392F
		, C394—C396,					R246—R249, R348, R547	RS1/10S472F
		3, C409, C411, C415, C416, C453, C456, C459, C462,					R517, R518, R562, R563 R258—R260, R269,	RS1/10S473F RS1/10S512F
		-C475, C481, C482, C502,					R401, R548, R589, R590	K51/1055121
		C508, C510—C513, C515,			,	,,	,,,	
		C525, C529-C532, C563,			,		R529, R531	RS1/10S513F
		, C587, C590, C601, C602,				, R532		RS1/10S563F
	C606, C608	, C615			R513	, R367		RS1/10S750F RS1/10S753F
	C101 C102	, C111, C164, C201, C210,	CKSQYF104Z25		,	,	R310, R398, R539, R553	RS1/10S821F
	,	, C278, C279, C301, C302,	0110 Q 11 10 10 20		R577			RS1/10S914F
		, C381, C406						
	C521, C526		CMA470J500		Other	Resisto	ors	RS1/10S□□□J
	C522, C557	, C572	CQSA221J50	OTHE	DC.			
RESIS	TORS			OTTIL		0 0370	oo op priv	D173.61.007
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	,	, VR15, VR20 VR7, VR8, VR11, VR12,	DCP1047 DCP1048			(32.236)		DSX1014
	VR16-VR1		2011010		(	SCR		BPZ30P100FMC
	R353		RN1/6PQ1001F					
	R354	1 DOGG DOGG	RN1/6PQ1602F		D 400	0)/	•	
	R362 – R364	4, R366, R371	RN1/6PQ2201F	AWO	D AS	5 Y		
	R229		RN1/6PQ3900F	SEMI	COND	UCTOF	IS	
	R350		RN1/6PQ4700F		IC202	2		CX20099
	R342, R345		RN1/6PQ5600F		IC201			CXD1077M
	R344, R349		RN1/6PQ6800F		IC300		20111777 1007	CXD1208Q
		, R107, R169, R177, R181, , R242—R245, R324,	RS1/10S102F				264ALFP-10T) -IC602	GGF-913 HM63021FP-34
		, R370, R388, R389, R391,			10300	J, 10000	-10002	11110302111 04
		, R406, R407, R410, R505,			IC203	3		NJM431M
	R511, R515	, R516, R600, R726			IC101			NJM5532DD
	D150 D15	4 D170 D000 D000	DC1/10C102E		IC250			NJM78L05A
		4, R172, R202, R232, 7, R261, R263, R304,	RS1/10S103F		IC150 IC151			NJM78L09A NJM79L09A
		, R313, R378, R382, R390,			10131	ı		14,111,020011
		, R508, R535, R536, R549,			IC409	9, IC421	, IC524, IC525, IC608,	TC74AC00F
		, R597, R598, R601, R604,			IC616			
	R725, R735	, R748, R749				•	, IC404, IC511	TC74AC02F
	R541, R555		RS1/10S113F			2, IC425 2, IC513	, IC507, IC510	TC74AC04F TC74AC10F
	R509		RS1/10S113F RS1/10S122F		10412	e, 10010	, 10001	10,1110101
	R521-R52	6	RS1/10S123F		IC309	9		TC74AC138F
	R527, R530		RS1/10S183F		IC609	9		TC74AC157F
	,	), R333—R335, R337,	RS1/10S222F				, IC514, IC516, IC518,	TC74AC163F
	•	), R351, R352, R393, 3, R578, R579,				6, IC614	, IC420, IC504, IC522,	TC74AC164F
	R591-R59					7, 10419 3, IC526		I OLEMOIDEL
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Mark	No. Description	Parts No.	Mark	No.	Description	Parts No.
	IC422, IC501—IC503, IC605, IC612 IC414, IC423, IC521, IC611 IC410, IC512, IC517, IC519, IC604	TC74AC166F TC74AC174F TC74AC175F		C213, C214 C223, C224		CFTXA562J50 CFTXA681J50
	IC308, IC406, IC408, IC416, IC418, IC506	TC74AC20F		C215, C216 C302, C604 C306	1	CFTXA822J50 CKSQYB102K50 CKSQYB103K50
	IC417 IC310, IC313, IC527 IC302, IC304, IC305, IC403, IC405, IC411, IC415, IC426, IC508, IC509, IC515, IC603, IC610, IC613, IC615, IC618	TC74AC32F TC74AC574F TC74AC74F		C105, C106 C158-C16 C256-C25	2, C707 – C712 5, C150, C151, C154, C155, 61, C164, C166, C168, 9, C261 – C264, C270, 5, C350 – C352, 9, C605	CKSQYF103Z50 CKSQYF104Z25
	IC306, IC401, IC413	TC74AC86F		C260		CQSA221J50
	IC303	TC74HC08AF TC74HC367AF	RESIS	TOPS		
	IC311, IC315 IC424, IC520	TC74HC307AF	neoio		TIDE TIDE TIDE	DCP1046
	IC314	TC74HC541AF		VR1, VR2,	VR6, VR7, VR9	DCP1040 DCP1050
	TCC17	TC7WU04F		R91-R93	(101, 0.03W)	DCX1020
	IC617 Q700—Q704	2SC1623			-R99 (103, 0.03W)	DCX1022 RS1/10S101J
	Q101	2SC3735		R254		K51/105101J
	Q1-Q4	DTC124EK 1T33-T8			7-R309, R605, R607	RS1/10S102J
	D301, D302	1133-16		R301	14	RS1/10S104J RS1/10S121J
	D201, D701, D702	HSM107S		R701-R70 R713	)4	RS1/10S121J RS1/10S152J
	D1-D4	SEL2210S		R259, R26	1	RS1/10S153J
COILS				R602		RS1/10S183J
	F201	DTF1013		R603		RS1/10S221J
	F120, F121 (15kH)	DTF1019		R305		RS1/10S243J
	L301 (5.6UH)	DTH1125		R709, R71		RS1/10S330J RS1/10S331J
	L601 (2.2UH) L705, L706 (1.8UH)	DTH1127 DTH1129		R272, R27	0	R31/105001 <b>)</b>
	2100, 2100 (210012)			R306		RS1/10S333J
	L701, L702 (0.22UH)	DTH1131		R105, R10	6, R260, R262, R601 2, R750—R755, R790, R791	RS1/10S393J RS1/10S680J
	L602 (0.56UH) L703, L704 (1.0UH)	DTH1132 DTH1133		R100, R10		RS1/10S752J
	L100-L102 (220UH)	DTH1135		Other Resi		RS1/10S□□□F
	F100-F102, F202	VTH1001	OTHE	00		
CAPA	CITORS		OTHE		N324 2P DIN	DKM1007
	TC1, TC2 (25p)	DCM1008		CONNECT		DKM1001
	C301	CCCUJ330J50		X1 (32.22	237MHz)	DSS1022
	C300	CCCUJ470J50		SC	CREW	BPZ30P100FMC
	C601, C703, C704 C207, C208	CCSQCH101J50 CCSQCH221J50				
	0201, 0200		AUIF	1 ASSY		
	C211, C212	CCSQCH330J50 CCSQCH470J50	SEMIC	CONDUCT	ORS	
	C701, C702 C309	CCSQCH470J50 CCSQCH560J50		IC504		ADC0832CCN
	C603	CCSQCH680J50		IC502		BA6138
	C705, C706	CCSQSL471J50		IC201, IC2	203	M5238AL NJM2058D
	C201—C204, C221, C222, C225, C22 C250, C251			IC503 IC300, IC3 IC401, IC4	301, IC351, IC380, IC400, 451	NJM4580L
	C152, C153, C156, C157, C162, C16	3, CEYA101M16		TORAL		TCAREODD
	C165, C167, C252—C255, C291 C217, C218	CEYANP100M25		IC205 IC501		TC4052BP TC4053BP
	C209, C210	CEYANP220M25		IC808		TC74HC00AP
	COOA	CTPTINT A DO A TEO		IC802		TC74HC163AP TC74HC164AP
	C304 C219, C220	CFTNA334J50 CFTXA224J50		IC801	•	10/4HC104AP
	C205, C206	CFTXA333J50				

TC74HC175AP   TC74HC175AP   TC74HC175AP   TC74HC295AP	Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
IC206		IC805		TC74HC175AP	OTHER	RS		
C896   C390, Q307, Q358, Q357, Q406, Q407, 28A939S		IC803		TC74HC259AP		CNTOOG		BAR_PU_K_V
C202		IC806		TC74HC74AP			DIC COCKET	
Q232, Q302, Q303, Q352, Q353, Q402, Q358, Q402, Q403, Q452, Q403, Q452, Q453, Q602, Q403, Q452, Q453, Q602, Q403, Q452, Q453, Q602, Q403, Q452, Q453, Q602, Q403, Q452, Q404, Q405, Q454, Q405, Q401, Q450,		IC202				20	I IC SOCKET	DIXIIIO
Q222, Q302, Q303, Q352, Q353, Q402, Q356, Q402, Q405, Q452, Q453, Q602 Q304, Q306, Q354, Q305, Q354, Q305, Q354, Q305, Q354, Q305, Q354, Q305, Q351, Q300, Q306, Q368, Q3611, Q358—Q461, Q455, Q800 Q308—Q411, Q458—Q461, Q45—Q411, Q458—Q461, Q45—Q411, Q459—Q401, Q55—Q401, Q45—Q411, Q459—Q401, Q55—Q401, Q45—Q411, Q459—Q401, Q55—Q401, Q45—Q411, Q459—Q411, Q459—Q411, Q459—Q411, Q459—Q411, Q459—Q411, Q459—Q411, Q459—Q411, Q459—Q411, Q459—Q411, Q450—Q411, Q450—Q411		Q306, Q30	7, Q356, Q357, Q406, Q407,	2SA933S				•
Q403, Q452, Q453, Q690         2SC1740S         IC14, IC15         M5238AL           Q454, Q455, Q800         Q308, Q354, Q351, Q356, Q451,         2SC327         Q16         TC9176P           Q408, Q4211, Q458, Q451, Q401         Q2SC3227         Q18         2SB49A         ZSB49A           Q401, Q450, Q451, Q601         Q2SC3227         Q10, Q50         Q25         Q253         Q25         Q253         Q11, Q61         Q17         ZSB69A           Q201, Q251         Q401, Q450, Q451, Q601         Q25         Q25         Q292, Q811         DTA124BS         Q10, Q50         D53         D54         S10, S11         D54         D54 <t< td=""><td></td><td>Q456, Q45</td><td>7, Q603</td><td></td><td>AUIF2</td><td>ASSY</td><td></td><td></td></t<>		Q456, Q45	7, Q603		AUIF2	ASSY		
Q304, Q305, Q354, Q355, Q404, Q405, Q454, Q455, Q800 Q455, Q800 Q455, Q800 Q3011, Q358 Q361, Q408 Q461 Q461 Q461 Q461 Q461 Q461 Q461 Q461				2SB649A	SEMIC	ONDUCT	ORS	
Q394, Q395, Q395, Q395, Q498, Q495, Q495, Q495, Q495, Q495, Q495, Q495, Q495, Q491, Q455, Q495, Q491, Q455, Q495, Q491, Q455, Q495, Q491, Q450, Q451, Q451, Q451, Q491, Q450, Q451, Q450, Q450, Q451, Q450, Q45						TC14 TC15		M5938AT
Q181, Q495, Q890, Q381, Q350, Q361, Q400, Q408-Q411, Q450-Q461, Q450-Q461, Q450-Q461, Q450-Q461, Q450-Q461, Q450-Q461, Q450-Q461, Q450, Q451, Q601 Q231, Q300, Q301, Q301, Q301, Q400, Q501-Q400, Q450, Q451, Q450, Q451, Q611 Q201, Q251 Q202, Q252, Q811 D7A124ES D200, D201, D250, D251, D7A124ES D200, D201, D250, D251, D300-D303, D350-D353, D400-D403, D450-D453, D500-D303, D350-D353, D400-D403, D450-D453, D500-D308, D600-D303, D500-D303, D500-D303, D500-D303, D500-D303, D500-D303, D500-D303, D500-D303, D500-D3043, D450-D453, D500-D508, D600-D607, D800 D2031, D222 D2031, D232 D204 D205, D205, D251, D306, D600-D607, D800 D2031, D232, D232 D306, D308, D				2SC1740S		,		
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Q231, Q300, Q301, Q350, Q351, Q400, Q50, Q51, Q400, Q50, Q401, Q450, Q451, Q611, Q611 Q611 Q612, Q612 Q612, Q612 Q612, Q613 Q612, Q613, Q61				2SC3327				
Q401, Q451, Q451, Q601 Q202, Q252, Q811 Q202, Q282, Q811 Q805 - Q810, Q812, Q813 DTC124ES D200, D201, D250, D251, D300 - D303, D850 - D353, D400 - D403, D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D231, D232 D450 - D453, D505 - D508, D605 - D607, D800 D231, D232 D450 - D450, D450 - D450, D450 - D450, D450 - D450, D508 - D607 D508, D605 - D607, D800 D511, D520 - D453, D505 - D450, D508 - D607, D800 D511, D525 - D530, D510 - D450, D511, D520 - D53 D510 - D450, D511, D520 - D53 D510 - D450, D511, D520 - D53 D510 - D510 - D53 D510 - D510 - D53 D510 - D510		Q408-Q4	11, Q458—Q461					
Q201, Q251, Q450, Q451, Q801 Q202, Q252, Q811 Q805 -Q610, Q812, Q813 DTA124ES DD00, D201, D250, D251, D300 -D303, D350 -D453, D400 -D403, D450 -D403, D400 -D403, D450 -D403, D400 -D403,				2SD669A		010 050		2SK372
Q202, Q232, Q811 DTA124ES Q805 −Q810, Q812, Q813 DTC124ES D200, D201, D250, D251, D300 −D303, D350 −D353, D300 −D303, D350 −D353, D450 −D453, D505 −D508, D605 −D607, D800 D231, D232 HZS10NB1 C38, C39, C78, C79 CCPUCH100J50 C31, D232 C451, C452 C607 CEAS330M35 C608 C608 C608 C628, C3315, C352, C401, C402, CEYA421M16 C236, C37 C697 C245, C246, C605, C606 C307, C308, C357, C358, C407, C408, C457, C488, C601 −C604 C307, C308, C357, C358, C407, C408, C674 −C808, C37, C488, C601 −C604 C201 −C203, C251 −C253, C315, C365 C204, C206, C254, C256 C204, C206, C254, C256 C204, C206, C254, C256 C201 −C203, C251 −C253, C315, C365 C204, C206, C254, C256 C201 −C303, C357 C388, C357 −C388, C367, C368, C367, C408, C467 −C488, C601 −C604 C307, C308, C357, C358, C407, C408, C674 −C402, C467 −C40								
Q805, Q826, Q811 Q813 DTC124ES SWITCHES  D200, D201, D250, D251, D300 DTC124ES SUITCHES  D200, D201, D250, D251, D300 D403, D450 D453, D400 D403, D450 D453, D505 D453, D400 D403, D450 D453, D505 D505 D508, D605 D607, D800 D231, D232 HZS10NB1 C38, C39, C78, C79 CCPUCH100J50 C24, C25, C34, C35 CEYA100M16 C201, C302, C351, C352, C401, C402, C451, C452 C660 C24, C25, C34, C35 CEYA100M16 C2545, C451, C452 C660 C24, C25, C34, C35 CEYA100M16 C2545, C451, C452 C660 C24, C25, C34, C35 CEYA100M16 C2545, C345, C35, C354, C35 CEYA100M16 C245, C345, C35, C354, C35 CEYA100M16 C245, C245, C256 C237, C358, C407, C408, C245, C450, C608, C350, C							D50-D53	
D290, D201, D250, D251, D350 D353, D450 D353, D450 D450, D450 D45						DIO DIO	, 200 200	200201
D200, D201, D250, D251, D350, D353, D400 − D403, D450 − D453, D400 − D403, D450 − D453, D400 − D403, D450 − D453, D400 − D403, D450 − D463, D500 − D607, D800 D231, D232		Q805 - Q8	10, Q812, Q813	DTC124ES	SWITC	HES		•
D300 - D303, D350 - D353, D400 - D453, D400 - D403, D450 - D453, D505 - D508, D605 - D607, D800 D231, D232		חפת חפת	1 DOEU DOE1	199954				DCU1017
D505 − D508, D605 − D607, D800 D231, D232 D231, D232 D232 D231, D232 D232 D231, D232 D232 D232 D233, D232 D232 D233, D232 D234, D232 D235, C245, C36, C36, C36, C36, C36, C37 C24, C35, C36, C37 C24, C35, C36, C37 C25, C301, C302, C351, C352, C401, C402, C6PUCH100J50 C451, C452 C607 C607 C608 C624, C35, C37 C608 C624, C35, C37 C608 C630 − C501 − C504 C236, C237 C645, C366 C247, C456, C605, C606 C247, C456, C605, C606 C307, C308, C357, C358, C407, C408, C457, C458, C601 − C604 C201 − C203, C251 − C233, C315, C365 C204, C206, C254, C256 C207, C309, C313, C355, C356, C366, C39 − C313, C355 C399 − C313, C355, C356, C366, C39 − C361, C305, C366, C369 − C461, C807 − C509, C361, C305, C366, C369 − C461, C807 − C509, C361, C305, C366, C369 − C461, C307 − C509, C361, C305, C366, C369 − C461, C307 − C509, C361, C305, C366, C369 − C461, C307 − C509, C361, C305, C366, C369 − C461, C307 − C509, C361, C365, C366, C369 − C461, C307 − C509, C361, C365, C366, C369 − C461, C307 − C509, C361, C365, C366, C369 − C461, C367, C470, C472,		D300-D3	03, D350 – D353,	155254		·	•	D5H1017
D231, D232  CAPACITORS  CAPACITORS  C301, C302, C351, C352, C401, C402, CCPUCH100J50  C451, C452  C607  C608  C501 C504  C709  C608  C501 C504  C709  C608  C501 C504  C709  C608  C609  C709  C609					CAPAC	CITORS		
CAPACITORS  CAPACITORS  CASI,			-			C38 C39	C78, C79	CCPUCH100I50
CAPACITORS  C301, C302, C351, C352, C401, C402, CCPUCH100J50 C451, C452 C451, C452 C607 C608 C501—C504 C501—C504 C236, C237 CEYA10M16 C245, C246, C605, C606 C307, C308, C357, C358, C407, C408, C457, C458, C601—C604 C307, C308, C357, C358, C407, C408, C457, C458, C601—C604 C245, C246, C605, C606 C307, C308, C357, C358, C407, C408, C457, C458, C601—C604 C307, C308, C357, C358, C407, C408, C457, C458, C601—C604 C201—C203, C251—C253, C315, C365 C6YA110M16 C29A471M16 C21—C203, C251—C253, C315, C365 C6YA110M16 C29A471M16 C21—C203, C251—C253, C315, C365 C6YA110M16 C29A471M16 C21—C203, C251—C253, C315, C365 C6YA110M16 C21—C204, C206, C254, C256 C6YA110M16 C21—C203, C251—C253, C315, C365 C204, C206, C254, C256 C309—C313, C355, C356, C366, C399—C313, C355, C366, C399—C313, C355, C366, C399—C313, C455, C456, C499—C413, C457, C470, C489, C481, C487, C470, C489, C481, C487, C470, C489, C489, C481, C487, C470, C489, C489, C489, C489, C481, C487,		D231, D23	2	HZS10NB1				
C301, C302, C351, C352, C401, C402, CCPUCH100J50 C301, C302, C351, C352, C401, C402, CCPUCH100J50 C451, C452 C607 C608 CEAS33IM35 C501−C504 CEAS33IM35 C236, C237 CEYA100M16 C205, C237 CEYA100M16 C307, C308, C357, C358, C407, C408, CEYA101M16 C307, C308, C357, C358, C407, C408, CEYA101M16 C201, C203, C251−C253, C315, C365 C204, C206, C254, C256 CXPUYB121K50 CXPUYB121								
C301, C302, C351, C352, C401, C402, C451, C452 C451, C452 C607 C608 C501-C504 C5068 C501-C504 C236, C237 CEYA100M16 C245, C246, C605, C606 C507, C308, C357, C358, C407, C408, C457, C458, C601-C604 C201-C203, C251-C253, C355, C356, C407, C408, C457, C458, C601-C604 C201-C203, C251-C253, C355, C356, C407, C408, C457, C458, C601-C604 C201-C203, C251-C253, C356, C407, C408, C457, C458, C601-C604 C307, C308, C357, C358, C407, C408, C457, C458, C601-C604 C201-C203, C251-C253, C356, C407, C408, C457, C458, C601-C604 C307, C308, C357, C358, C407, C408, C457, C458, C601-C604 C201-C203, C251-C253, C315, C365 C459-C361, C406, C454, C55, C365, C366, C359-C361, C405, C409-C413, C455, C406, C409-C413, C455, C406, C409-C413, C455, C406, C409-C413, C455, C459, C461, C507-C509, C801-C807  RESISTORS  VR1-VR4 VR7, VR8 VR1-VR4 VR7, VR8 R91-R94 R94-R94 R94-R447104J R90 R212, R262, R322, R323, R372, R373, R371, R364, R371, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R306, R307, R320, R321, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230-R232, R300-R303, R350-R353, R400-R403, R350-R353, R400-R4	CAPA	CITORS						•
C607 CEAS330M35 C17, C18, C57, C58 CKPUYB121K50 CEAS331M35 C15, C20−C23, C26−C33, C55 CKPUYF223Z25 CKPUYF223Z25 CCEAS3R3M50 C236, C237 CEYA100M16 RESISTORS  C245, C246, C605, C606 CEYA4101M16 CEYA47IM16 CEYA47IM16 R14, R15, R54, R55 RN1/6PQ1802F RN1/6PQ301F R22, R23, R62, R63 RN1/6PQ301F RN1/6PQ301F R850 CXPUYB121K50 R65 R40−R42 RN1/6PQ5101F R650 CXPUYB121K50 CXPUYB121K50 R65 R40−R42 RN1/6PQ6801F R16, R17, R24, R25, R56, R57, R64, RN1/6PQ6801F R65 R40−R42 RN1/6PQ7502F R16, R17, R24, C255, C305, C305, C306, C359 −C313, C355, C356, C359 −C361, C405, C406, C409−C413, C455, C456, C469−C461, C507−C509, C801−C807 SEMICONDUCTOR  RESISTORS  VR1−VR4 VR−VR4 DCP1036 VRT−S6V5103 R3−R3−R31−R94 RA47104J R90 R212, R262, R322, R323, R372, R373, R371, R36, R371, R36, R371, R36, R371, R371, R371, R371, R371,				CCPUCH100J50			C50-C53	
C608 C501−C504 C501−C504 C236, C237 CEXS131M35 CEXS1M50 CEYA100M16 CEYA100M16 C237, C308, C357, C358, C407, C408, C457, C458, C601−C604 C201−C203, C251−C253, C315, C365 CEYA101M16 C307, C308, C357, C358, C407, C408, C457, C458, C601−C604 C201−C203, C251−C253, C315, C365 CEYA101M16 C307, C308, C351−C253, C315, C365 CEYANP100M25 C204, C206, C254, C256 CEYANP100M25 C204, C206, C254, C256 CEYUYB121K50 C380, C381 C205, C232−C235, C328, C6PUYB221K50 C390−C313, C355, C366, C350−C361, C405, C406, C409−C413, C455, C456, C459−C461, C507−C509, C801−C807 C801−C				CEAS330M35		C17 C18	C57 C58	CKPHYB121K50
C501—C504 C236, C237 C245, C246, C605, C606 C254, C206, C307, C308, C357, C358, C407, C408, C457, C458, C601—C604 C207, C308, C357, C358, C407, C408, C457, C458, C601—C604 C201—C203, C251—C253, C315, C365 C204, C206, C254, C256 C8YANPI00M25 C380, C381 C205, C323—C235, C238, C479, C408, C479, C408, C309—C313, C355, C356, C359—C361, C405, C466, C459—C461, C507—C509, C801—C807  RESISTORS  VR1—VR4 VR7, VR8 R91—R94 R90 RAST104J R90 R212, R262, R322, R323, R372, R373, R422, R423, R472, R473 R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R320—R232, R300—R303, R450—R453 R450—R453 R450—R453 R410PQ6801F  RESISTORS  R								
C236, C237       CEYA100M16       RESISTORS         C245, C246, C605, C606       CEYA101M16       VR10, VR11       DCP1024         C307, C308, C357, C358, C407, C408, C457, C458, C601—C604       CEYA471M16       R14, R15, R54, R55       RN1/6PQ3601F         C201—C203, C251—C253, C315, C365       CEYANP100M25       R22, R23, R62, R63       RN1/6PQ3601F         C204, C206, C254, C256       CEYANP100M25       R65       R40—R42       RN1/6PQ3601F         C330, C381       CKPUYB221K50       CKPUYB221K50       R18, R19, R58, R59       RN1/6PQ4502F         C242—C244, C255, C305, C306, C309—C313, C355, C356, C359—C361, C405, C406, C409—C413, C455, C456, C459—C461, C507—C509, C801—C807       CKPUYB221K50       R18, R19, R58, R59       RN1/6PQ7502F         RESISTORS       IC1       NJM4558D         VR1—VR4       DCP1036       VRTS6V5103       F1—F3       DTF1003         R90       R212, R262, R322, R323, R372, R373, R4104       RN1/6PQ1501F       CAPACITORS         R22, R423, R472, R473       C5, C6       CEYA101M16         C1, C2       CEYA101M16       C1, C2       CEYANP100M25         C3, C4       CKPUYB221K50       CKPUYB221K50       CKPUYB221K50			04			010, 010	0.00, 0.00	
C245, C245, C405, C6005, C6006 C307, C308, C357, C358, C407, C408, C457, C458, C601 − C604 C201 − C203, C251 − C253, C315, C365 C204, C206, C254, C256 CEYANP100M25 CEYATIM16 R14, R15, R54, R55 R22, R23, R62, R63 R16, R17, R24, R25, R56, R57, R64, RN1/6PQ3601F R65 R40 − R42 RN1/6PQ4501F R65 R40 − R42 RN1/6PQ501F R65 R40 − R42 RN1/6PQ502F R01/6PM□□□J R01/6PM□□J R01/6PM□□J R01/6PM□□J R01/6PM□□J R01/6PM□□J R01/6PM□□J R01/6PM□□J R01/6PQ502F R01/6PQ501F R01/6PQ501F R01/6PQ501F R01/6PQ500F R01/6PQ501F R01/6PQ501F R01/6PQ500F R01/6PQ501F R01/6PQ50					RESIST	TORS		
C307, C308, C357, C358, C407, C408, C457, C458, C601 − C604 C457, C458, C601 − C604 C201 − C203, C351 − C253, C315, C365 C204, C206, C254, C256 C204, C206, C254, C256 C204, C206, C254, C256 C204, C206, C254, C256 C205, C232 − C235, C315, C365 C205, C322 − C235, C305, C306, C309 − C313, C355, C356, C359 − C361, C405, C406, C409 − C413, C455, C456, C459 − C461, C507 − C509, C801 − C807  RESISTORS  VR1 − VR4 VR7, VR8 VR7, VR8 R91 − R94 R90 R212, R262, R322, R323, R372, R373, R422, R423, R472, R473 R306, R307, R320, R321, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230 − R232, R300 − R303, R350 − R303, R450 − R403 R450 − R453		COAF COA	C CCOE CCOC	CENTA 101N/16		VR10, VR	11	DCP1024
C307, C458, C6301 − C604 C457, C458, C601 − C604 C201 − C203, C251 − C253, C315, C365 C204, C206, C254, C256 C204, C206, C254, C256 C204, C206, C254, C256 C204, C206, C254, C256 C205, C232 − C235, C238, C317, C306, C309 − C313, C355, C366, C359 − C361, C405, C406, C409 − C413, C455, C456, C459 − C461, C507 − C509, C801 − C807  RESISTORS  VR1 − VR4 VR7, VR8 VR7, VR8 R91 − R94 R90 R22, R23, R62, R63 R16, R17, R24, R25, R56, R57, R64, RN1/6PQ5010F R85 R40 − R42 RN1/6PQ5101F RN1/6PQ6801F RN1/6PQ7502F RD1/6PM □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □						R14, R15,	R54, R55	RN1/6PQ1802F
C201 − C203, C251 − C253, C315, C365 C204, C206, C254, C256 C204, C206, C254, C256 C204, C206, C254, C256 C207, C208, C381 C380, C381 C205, C232 − C235, C238, C490 − C413, C455, C305, C306, C309 − C313, C355, C356, C359 − C361, C405, C406, C409 − C413, C455, C456, C459 − C461, C507 − C509, C801 − C807  RESISTORS  VR1 − VR4 VR7, VR8 VR7, VR8 R91 − R94 RA4T104J R90 R212, R262, R322, R323, R372, R373, R422, R423, R472, R473 R306, R307, R320, R321, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230 − R232, R300 − R303, R350 − R353, R400 − R403, R450 − R453  CEYANP100M25 CEYANP10M25 CEYANP10M				CETA4/IMIO				RN1/6PQ3601F
C204, C206, C254, C256  CKPUYB121K50  R40−R42  RN1/6PQ6801F  C380, C381  C205, C232−C235, C238, CKPUYF223Z25  C242−C244, C255, C305, C306, C309−C313, C355, C356, C359−C361, C405, C406, C409−C413, C455, C456, C459−C461, C507−C509, C801−C807  RESISTORS  VR1−VR4 VR7, VR8 R91−R94 R90 R212, R262, R322, R323, R372, R373, R4121, R456, R457, R470, R471 R230−R253, R300−R303, R450−R363, R400−R403, R450−R403, R450−R403, R450−R403 R212, R262, R300−R303, R400−R403, R450−R403, R450−R403 R4104  R230−R253, R400−R403, R56, R357, R56, R56, R56, R56, R56, R56, R56, R56				CEVANDIOOM95				RN1/6PQ5101F
C380, C381								
C205, C232 − C235, C238, CKPUYF223Z25 Other Resistors RD1/6PM□□□□  C2042 − C244, C255, C305, C306, C309 − C313, C355, C356, C359 − C361, C406, C409 − C413, C455, C456, C459 − C461, C507 − C509, C801 − C807 SEMICONDUCTOR  RESISTORS  VR1 − VR4 DCP1036 VR7, VR8 VR75eVS103 R91 − R94 RA4T104J R90 R212, R262, R322, R323, R372, R373, RN1/6PQ1501F R422, R423, R472, R473 C5, C6 CEYA101M16 C1, C2 CEYANP100M25 R306, R307, R320, R321, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230 − R232, R300 − R303, R450 − R453 R450 − R453  CKPUYF223Z25 Other Resistors R16, R19, R58, R59 Other Resistors RD1/6PM□□□J RD1/6PM□□J RD1/6PM□DJ RD1/6PM□DJ RD1/6PM□DJ RD1/6PM□DJ RD1/6PM□DJ RD1/6PM□DJ RD1/6PMDDJ R		C204, C20	0, C254, C256	CKI UIDIZIK30		R40-R42		RN1/6PQ6801F
C205, C232 − C236, C238, C236, C242 − C244, C255, C305, C306, C309 − C313, C355, C356, C359 − C361, C405, C406, C409 − C413, C455, C456, C459 − C461, C507 − C509, C801 − C807  RESISTORS  VR1 − VR4 VR7, VR8 VR7, VR8 VR7, VR8 R91 − R94 R90 R212, R262, R322, R323, R372, R373, R422, R423, R472, R473  R306, R307, R320, R321, R356, R357, R376, R377, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230 − R232, R300 − R303, R350 − R353, R400 − R403, R450 − R453  CKPU YP1223225  Other Resistors  RD1/6PM□□J  HPA ASSY  SEMICONDUCTOR  COILS  VR1 − VR4 VR7 SEMICONDUCTOR  F1 − F3 DTF1003  CAPACITORS  C5, C6 CEYA101M16 C1, C2 CEYANP100M25 C3, C4 CEYA101M16 C3, C4 CKPU YB221K50  RSISTORS  VR101 (10k − A, 0.05W) R5, R6 RN1/6PQ3302F R71/6PQ3302F R71/6PQ3302F R71 R250 − R453 R850 − R453 R81/6PQ3302F R91/6PQ3302F R91/6PQ302F R91/6						D10 D10	D50 D50	PN1/6PO7502F
C309 - C313, C355, C356, C359 - C361, C405, C406, C409 - C413, C455, C456, C459 - C461, C507 - C509, C801 - C807  RESISTORS  VR1 - VR4 VR7, VR8 VR7, VR8 VR7, VR8 VR1 - VR4 R90 R212, R262, R322, R323, R372, R373, R422, R423, R472, R473  R422, R423, R472, R473  R306, R307, R320, R321, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230 - R232, R300 - R303, R450 - R453  R450 - R453  R450 - R453  R550 - R353, R400 - R403, R450 - R453  R560 - R453  R570, R570, R570, R570, R570, R570, R710, R570, R710, R570, R5		C205, C23	2-C235, C238,	CKPUYF223Z25				
C359 — C361, C405, C406, C409 — C413, C455, C456, C459 — C461, C507 — C509, C801 — C807  RESISTORS  VR1 — VR4 VR7, VR8 VR7, VR8 VR7, VR8 R91 — R94 R90 R212, R262, R322, R323, R372, R373, R422, R423, R472, R473  R422, R423, R472, R473  R306, R307, R320, R321, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230 — R232, R300 — R303, R350 — R353, R400 — R403, R450 — R453						Other Res.	stors	
C409 - C413, C455, C456, C459 - C461, C507 - C509, C801 - C807       HPA ASSY         C801 - C807       SEMICONDUCTOR         RESISTORS       IC1       NJM4558D         VR1 - VR4								
C459 - C461, C507 - C509, C801 - C807  RESISTORS  VR1 - VR4 VR7, VR8 VR7, VR8 R91 - R94 RA5T104J R212, R262, R322, R323, R372, R373, RN1/6PQ1501F R306, R307, R320, R321, R356, R357, RN1/6PQ3302F R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230 - R232, R300 - R303, R301, R350 - R353, R400 - R403, R450 - R453  HPA ASSY SEMICONDUCTOR  IC1 NJM4558D  COILS  COILS F1 - F3 DTF1003  F1 - F3 CAPACITORS C5, C6 CEYA101M16 C1, C2 CEYANP100M25 C3, C4 CEYANP100M25 C3, C4 CEYANP100M25 C3, C4 CEYANP100M25 C4, C2 CEYANP100M25 C5, C6 CEYANP100M25 C7, C2 CEYANP100M25 C7, C4 CEYANP100M25 C7, C4 CEYANP100M25 C7, C4 CEYANP100M25 C7, C6 CEYANP100M25 C7 CF								
C801 − C807   SEMICONDUCTOR					HPA A	ASSY		
VR1-VR4 DCP1036 COILS  VR7, VR8 VRTS6VS103 F1-F3 DTF1003  R91-R94 RA4T104J F1-F3  R90 RA5T104J CAPACITORS  R422, R423, R472, R473 C5, C6 CEYA101M16  C1, C2 CEYANP100M25  R306, R307, R320, R321, R356, R357, RN1/6PQ3302F C3, C4 CKPUYB221K50  R370, R371, R406, R407, R420, R421, R456, R457, R470, R471  R230-R232, R300-R303, RN1/6PQ6801F R350-R353, R400-R403, R450-R453  R450-R453  DTF1003  F1-F3  CAPACITORS  CEYA101M16  C1, C2 CEYANP100M25 C3, C4 CKPUYB221K50  RESISTORS  VR101 (10k-A, 0.05W) DCS1016 RN1/6PQ3302F					SEMIC	ONDUCT	OR	
VR1-VR4 VR7, VR8 VR7, VR8 VR91-R94 R90 RA4T104J R212, R262, R322, R323, R372, R373, R1/6PQ302F R306, R307, R320, R321, R356, R357, R1/6PQ302F R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230-R232, R300-R303, R300-R303, R16PQ6801F R350-R353, R400-R403, R450-R453  DTF1003 F1-F3 CAPACITORS C5, C6 CEYA101M16 C1, C2 C3, C4 CEYANP100M25 C3, C4 CKPUYB221K50 C5, C6 CEYANP100M25 C3, C4 CKPUYB221K50 C5, C6 CEYANP100M25 C3, C4 CKPUYB221K50 C5, C6 CEYA101M16 C1, C2 C3, C4 CKPUYB221K50 C5, C6 CEYA101M16 C1, C2 C1, C2 CEYANP100M25 C3, C4 CKPUYB221K50 C5, C6 CEYANP100M25 C7, C2 C	RESIS	TORS				IC1		NJM4558D
VR7, VR8	112010	,	4	DCP1036	COILS			
R91—R94 R90 RA5T104J R212, R262, R322, R323, R372, R373, R422, R423, R472, R473 R306, R307, R320, R321, R356, R357, R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230—R232, R300—R303, R350—R353, R400—R403, R450—R453 R44T104J F1—F3 CAPACITORS CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 C3, C4 CEYA101M16 C1, C2 CEYANP100M25 C3, C4 CEYANP100M25 CAPACITORS C3, C4 CEYA101M16 C1, C2 CEYANP100M25 C3, C4 CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CAPACITORS CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CAPACITORS CAPACITORS CEYA101M16 C1, C2 CEYANP100M25 CAPACITORS CAPACIT					CUILS			
R90 RA5T104J R212, R262, R322, R323, R372, R373, RN1/6PQ1501F R422, R423, R472, R473 C5, C6 CEYA101M16 C1, C2 CEYANP100M25 R306, R307, R320, R321, R356, R357, RN1/6PQ3302F R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230-R232, R300-R303, RN1/6PQ6801F R350-R353, R400-R403, R450-R453 R450-R453 RA5T104J CAPACITORS C5, C6 CEYA101M16 C1, C2 CEYANP100M25 C3, C4 CKPUYB221K50 RESISTORS VR101 (10k-A, 0.05W) R5, R6 RN1/6PQ3302F R01/6PQ3302F RO1/6PQ3302F RO1/6PQ3302F RO1/6PQ3302F RO1/6PQ3302F RO1/6PQ3302F RO1/6PQ3302F						F1-F3		DTF1003
R422, R423, R472, R473  C5, C6  CEYA101M16  C1, C2  CS, C6  CEYANP100M25  C1, C2  CKPUYB221K50  CKPUYB221K50  CKPUYB221K50  CKPUYB221K50  R370, R371, R406, R407, R420, R421, R456, R457, R470, R471  R230-R232, R300-R303, R350-R353, R400-R403, R450-R453  R81/6PQ6801F  R5, R6  RN1/6PQ3302F  RN1/6PQ3302F  RS, R6  RN1/6PQ3302F  RN1/6PQ3302F  RS, R6  RN1/6PQ3302F		R90						
R306, R307, R320, R321, R356, R357, RN1/6PQ3302F R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230-R232, R300-R303, RN1/6PQ6801F R350-R353, R400-R403, R450-R453  R450-R453  R1/6PQ3302F R5, R6 RN1/6PQ3302F R5, R6 RN1/6PQ3302F R5, R6 RN1/6PQ3302F R1/6PQ3302F R5, R6 RN1/6PQ3302F R1/6PQ3302F R5, R6 RN1/6PQ3302F		R212, R26	2, R322, R323, R372, R373,	RN1/6PQ1501F	CAPA	CITORS		
R306, R307, R320, R321, R356, R357, RN1/6PQ3302F R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230-R232, R300-R303, RN1/6PQ6801F R350-R353, R400-R403, R450-R453  R450-R453  R1/6PQ3302F R5, R6 RN1/6PQ3302F R5, R6 RN1/6PQ3302F R5, R6 RN1/6PQ3302F R1/6PQ3302F R5, R6 RN1/6PQ3302F R1/6PQ3302F R5, R6 RN1/6PQ3302F						C5, C6		CEYA101M16
R306, R307, R320, R321, R356, R357, RN1/6PQ3302F R370, R371, R406, R407, R420, R421, R456, R457, R470, R471 R230-R232, R300-R303, RN1/6PQ6801F R350-R353, R400-R403, R450-R453  R5, R6 RN1/6PQ3302F R1/6PQ3302F R5, R6 RN1/6PQ3302F R1/6PQ3302F R5, R6 RN1/6PQ3302F R1/6PQ3302F R5, R6 RN1/6PQ3302F R1/6PQ3302F								CEYANP100M25
R370, R371, R406, R407, R420, R421, R456, R457, R470, R471  R230-R232, R300-R303, R350-R353, R400-R403, R450-R453  RESISTORS  VR101 (10k-A, 0.05W) DCS1016  RN1/6PQ3302F  RN1/6PQ3302F		R306, R30	7, R320, R321, R356, R357,	RN1/6PQ3302F				
R456, R457, R470, R471 R230-R232, R300-R303, RN1/6PQ6801F R350-R353, R400-R403, R450-R453 R450-R453 RESISTORS VR101 (10k-A, 0.05W) DCS1016 RN1/6PQ3302F RN1/6PQ3302F		R370, R37	1, R406, R407, R420, R421,					
R230-R232, R300-R303, RN1/6PQ6801F R350-R353, R400-R403, R450-R453 PR1/6PQ3302F					RESIST	TORS		
R350-R353, R400-R403, VR101 (10k-A, 0.05W) DCS1016 R450-R453 R5, R6 RN1/6PQ3302F		R230-R2	32, R300—R303,	RN1/6PQ6801F			401. A 0.0FTT	DCC1016
K450 - K455							10K-A, 0.05W)	
Other Resistors RD1/6PM UIJ Other Resistors RD1/6PM UIJ						-	intorn	
		Other Res	istors	RD1/6PM□□□J		Other Kes	181018	

Mark No. Description	Parts No.	Mark No. Description	Parts No.
OTHERS		C3	CFTXA104J50
	7277711000	C118	CFTXA224J50
JAI JHOIL (HELLE)	DKN1069	C15	CFTXA334J50
PLATE	VNE1102	C112	CGCYF104Z25
		C1, C11, C24, C26-C37, C46, C47,	CKPUYF103Z25
REJ SW ASSY		C125, C132, C134, C140 C101, C102	CQMA102J50
SWITCH		C101, C102 C115	CEANP010M50
S1	DSG1030	C103, C110, C117	CQMA103J50
ALION ACCV		C51, C52 C104	CQMA122J50 CQMA153J50
AUCN ASSY		C104 C137	CQMA222J50
AUCN Assy has no service part.		C109	CQMA272J50
		C106, C107	CQMA273J50
ADDC ASSY		C121	CQMA473J50
SEMICONDUCTORS		PERIOTORS	
IC8	LM6361N	RESISTORS	D 071000
IC104, IC107	NJM2903D	VR1, VR2	DCP1022
IC108	NJM4558D	R106, R107	RN1/6PQ1003F
IC24	TC74HC00AP	R122	RN1/6PQ2201F RD1/6PM□□□J
IC17, IC23	TC74HC04AP	Other Resistors	KD1/6PMLJ
IC13	TC74HC123AP	OTHERS	
IC12	TC74HC221AP	CN1 2P DIN CONNECTOR	DKM1007
IC4, IC19	TC74HC244AP	X1 (6.56943MHz)	DSS1018
IC110, IC111	TC74HC4066AP TC74HC574AP	X2 (6.5694MHz)	DSX1013
IC2, IC3, IC5, IC21, IC22	1C/4HC3/4AI	84P SOCKET	DKH1001
IC101, IC102, IC106, IC109	TL082CP	20P IC SOCKET	DKH1004
IC101, IC102, IC100, IC103 IC10, IC11	UPC311C	TO GO CITEM	DKH1005
IC1, IC11 IC1, IC18 (XC3042-70PC84C)	GGF-915	8P IC SOCKET	BPZ30P100FMC
Q102, Q103	2SA933S	SCREW	DI 2501 1001 MC
Q100, Q101	2SC1740S		
01	DTC124ES	SPDL ASSY	
Q1 D3, D4	1SS108	SEMICONDUCTORS	
D1, D2, D7, D8, D102, D103,	1SS254		LF398N
D106-D109		IC101	NJM2903D
		IC103	NJM2904D
COILS		IC102, IC105 IC107	NJM4558D
	LAU101K	IC201, IC206	TC74HC00AP
L1 L5	LFA102J	10201, 10200	
L3	LFA122K	IC203	TC74HC04AP
L2, L4	LFA821K	IC204	TC74HC08AP
F1-F3, F101, F102	VTH1001	IC104	TC74HC123AP
		IC209	TC74HC139AP
CAPACITORS		IC214—IC217	TC74HC163AP
C10, C48, C122	CCCCH101J50	IC202	TC74HC221AP
C100, C105, C111, C114	CCCCH151J50	IC202   IC207, IC208	TC74HC32AP
C22, C23, C136	CCCCH220J50	IC210	TC74HC541AP
C133	CCCCH221J50	IC211 – IC213	TC74HC574AP
C50, C53	CCCSL271J50	IC205, IC219	TC74HC74AP
C21, C116, C138	CEAS010M50	IC218, IC220	TC74HCU04AP
C120	CEAS100M16	IC106	TC9192AP
C145	CEAS101M10	Q103, Q104	2SA933S
C127-C130, C142, C144	CEAS220M25	Q103, Q104 Q102	2SC1740S
C2, C25, C38-C42, C119, C135, C139	CEAS470M10	Q102 Q105	2SK184
C110	CEAS4R7M50	4	
C113	ODLIO-WINION		

Mark No. Description	Parts No.	Mark No. Description	Parts No.
Q101, Q106	DTA124ES	IC125	TC74AC00F
Q107-Q109	DTC124ES	IC113	TC74AC04F
D101-D111	1SS254	IC110, IC111	TC74AC138F
D201-D205	SEL2210S	IC109	TC74AC139F
COLLS	•	IC114, IC127	TC74AC32F
COILS	1777111 001	TC915	TC74HC00AF
F101, F102, F201 – F203	VTH1001	IC921	TC74HC02AF
CAPACITORS		IC120, IC913, IC920	TC74HC04AF
		IC504, IC914, IC919	TC74HC08AF
C216, C217	CCCCH100D50	IC916	TC74HC107AF
C115, C221	CCCCH151J50	TC110	TC74HC109AF
C105, C122 C106, C206	CEANP010M50 CEAS100M50	IC119 IC503	TC74HC109AF
C106, C206 C102, C103, C108, C114, C118, C119,	CEAS470M16	IC106, IC117, IC901—IC903	TC74HC1237H
C123, C125, C126, C205, C219, C220	CDIIOTIOMIO	IC911	TC74HC164AF
0120, 0120, 0120, 0210, 0210		IC121, IC910	TC74HC165AF
C116	CFTNA224J50	, , , , , , , , , , , , , , , , , , , ,	
C104	CFTXA103J50	IC904	TC74HC175AF
C109	CFTXA154J50	IC918	TC74HC21AF
C202	CFTXA223J50	IC619, IC719	TC74HC221AF
C117	CFTXA333J50	IC115, IC128, IC909	TC74HC245AF
****	CTTTT LACOTTO	IC900, IC905—IC908	TC74HC257AF
C110	CFTXA683J50	10017 10717	TC74IIC40E2AE
C101	CFTXA823J50 CKCYB102K50	IC617, IC717 IC116, IC505, IC506, IC912	TC74HC4053AF TC74HC541AF
C111, C112 C113, C120, C121, C204, C207—C215,		IC116, IC505, IC506, IC512 IC118, IC122, IC917	TC74HC74AF
C218, C222	CIM U I F ZZ SZ Z S	IC601, IC701	TC74HCT374AF
C201, C203	CQMA102J50	IC609, IC709	UPC815C
RESISTORS		IC101	UPD70320L-8
R224	RA8S103J	IC112 (UPD71059GB-10-3B4)	GGF-916
Other Resistors	RD1/6PM□□□J	Q101, Q601, Q701	DTC124EK
Other reconstruit		D503, D504	11ES2
OTHERS		D106, D601, D701	1SS123
CN302 2P DIN CONNECTOR	DKM1007	D101-D105, D501, D502,	1SS220
X101 (3.75MHz)	VSS1009	D602-D609, D702-D709	
SCREW	BPZ30P100FMC	D107	SEL2210S
		COILS	
MPU ASSY		F101, F501-F506	VTH1001
SEMICONDUCTORS		CAPACITORS	
IC123, IC126	CXD1095Q		CCCCH121J50
IC105, IC922 (HM6264ALFP-10T)	GGF-913	C667, C668, C767, C768 C661, C761	CCCCH150J50
IC612, IC615, IC712, IC715 IC107	LM6361M M5295L	C660, C760	CCCCH470J50
IC107 IC108	M751701P	C107, C108	CCSQCH150J50
10100	1411011011	C658, C758	CCSQCH221J50
IC613, IC713	NJM082M		
IC611, IC620, IC711, IC720	NJM2901M	C137, C138	CCSQCH330J50
IC614, IC714	NJM311M	C673, C773	CCSQCH820J50
IC604, IC605, IC608, IC610, IC704,	NJM4558M	C651—C655, C751—C755	CCSQSL681J50
IC705, IC708, IC710	3773 64 5003 6	C139, C517—C520	CEAS100M16
IC616, IC618, IC716, IC718	NJM4560M	C132, C133, C136, C515, C516	CEAS101M16
IC507	NJM78M09FA	C201, C202, C513, C514	CEAS221M6R3
IC508	NJM79M09FA	C110, C204	CEAS4R7M50
IC602, IC702	NJMDAC-08M-C	C205	CEASR47M50
IC501	PD4298A	C674, C774	CFTNA224J50
IC603, IC606, IC607, IC703, IC706,	TC4053BF	C665, C765	CFTXA681J50
IC707		C669, C769	CFTXA821J50
	. *	C920	CKCYB821K50

C111. C112 C1010-C105. C113. C134. C134. CKSQYF104Z25 C103. C104. C203. C501 - C510. C601 - C542. C701 - C742. C86. C562. C701 - C742. C86. C565. C676. C701 - C742. C86. C606. C652. C701 - C742. C86. C86. C776. C770 C85. C856. C675. C756. C772 C864. C866. C764. C786. C772 C864. C866. C764. C786 C867. C771 C867. C771 C867. C777 C877. C771 C877. C777 C877. C777 C877. C779 C878. C789 C879. C789 C789. C789	Mark	No. Description	Parts No.	Mark No. Description	Parts No.
C670, C770 C650, C656, C672, C750, C756, C772 C664, C666, C674, C766 C662, C663, C762, C763 C664, C663, C762, C763 C664, C666, C764, C766 C662, C663, C762, C763 C671, C771 C671, C771 C671, C771 C672, C757 C673, C757 C674, C763 C675, C757 C675, C757 C675, C757 C675, C757 C675, C757 C675, C757 C776, C776 C777 C677, C771 C677, C771 C677, C771 C677, C771 C677, C771 C677, C771 C677, C777 C678, C779 C778 C779 C779 C779 C779 C779 C779		C101-C106, C113-C131, C134, C135, C140, C203, C501-C510, C601-C642, C701-C742,		R108 R120 R105	RA8S332J RA8S473J
C657, C757   CQMA832J50   CQMA82J50   CQMA82J50   CQMA82J50   CQMA82J50   CQMA82J50   CQMA82J50   SEMICONDUCTORS		C670, C770 C650, C656, C672, C750, C756, C772 C664, C666, C764, C766 C662, C663, C762, C763	CQMA102J50 CQMA103J50 CQMA152J50 CQMA222J50	X102 X101 (16MHz) 28P SOCKET	DSS1021 VKH1001
R101, R108, R116, R117, R119, R123, R249, R501 – R503 (10k, 0.03W) R118 (3.3k, 0.03W) Other Resistors		C657, C757 C659, C759	CQMA332J50 CQMA682J50		
R249, R501—R503 (10k, 0.03W)   DCX1021   RESISTORS   R118 (3.3k, 0.03W)   DCX1021   All Resistors   RD1/6PM□□□□	RESIS	TORS			MTZJ16B/C
RI18 (3.3k, 0.03W)   Other Resistors   RD1/6PM□□□□			DCX1022	D213-D216, D219, D220	
CN314, CN316 2P DIN   DKM1007		R118 (3.3k, 0.03W)			RD1/6PM
CN314, CN316 2P DIN   DKM1007	OTHE	RS		OTHERS	
RP IC SOCKET   DKH1005   DSS1021   MOTHER ASSY   28P SOCKET   VKH1001   OTHERS   CN237   B3B - PH - K - S   SCREW   BPZ30P100FMC   OTHERS   CN237   B4B - PH - K - Y   CN237   CN237   DKP2045   DKP2045   DKP2045   DKP2045   DKP2045   DKP2046   DKP2046   DKP2046   DKP2046   DKP2046   DKP2046   DKP2046   DKP2046   DKP2046   DKP2047   DKP2046   DKP2047   DKP2046   DKP2047   DKP2046   DKP2047   DKP2046   DKP2047   DKP2047   DKP2047   DKP2047   DKP2047   DKP2047   DKP2055   DKP2048   DKP2055   DKP2055   DKP2055   DKP2055   DKP2056   DKP2057   DKP2056   DKP2057   DKP2056   DKP2057   DKP2059   D		CN314, CN316 2P DIN CONNECTOR		JA1, JA2 9P D-SUB SOCKET	
A 22   F ASSY		8P IC SOCKET X101 (16MHz) 28P SOCKET	DKH1005 DSS1021 VKH1001		
### ASSY  SEMICONDUCTORS    J301   CONNECTORASSY   DKP2045     J302   CONNECTORASSY   DKP2046     J303   CONNECTORASSY   DKP2047     IC104					
SEMICONDUCTORS   J303   CONNECTORASSY   DKP2047	422IF	ASSY			
IC104	SEMIC	CONDUCTORS			
IC105		IC109 IC106	M5295L MC34050P	CONNECTORASSY (CN201 – CN202)	DKP2055
IC101				CONNECTORASSY	DKP2057
DTC124ES   CONNECTORASSY   DKP2060		IC101	UPD70320L-8	CONNECTORASSY	DKP2059
F102, F103 DTF1003 (CN213 - CN214) F101 VTH1001 CONNECTORASSY DKP2062 F104-F115 VTH1005 (CN215 - CN216) CONNECTORASSY DKP2064  CAPACITORS (CN219 - CN220) CONNECTORASSY DKP2075 C106, C107 CCCCH150J50 (CN243 - CN244) C120, C121 CCCCH270J50 CONNECTORASSY DKP2075 C116, C117 CEAS101M10 (CN207 - CN208) C102 CEAS4R7M50 C102 CEAS4R7M50 C105, C108-C115, C118, C119 CGCYF104Z25 CONNECTORASSY DKP2208 C103, C104 CKCYB102K50					DKP2060
F101 VTH1001 CONNECTORASSY DKP2062 F104-F115 VTH1005 CONNECTORASSY DKP2064  CAPACITORS (CN219-CN220) CONNECTORASSY DKP2064  C106, C107 CCCCH150J50 (CN243-CN244) C120, C121 CCCCH270J50 CONNECTORASSY DKP2207 C116, C117 CEAS101M10 (CN207-CN208) C102 CEAS4R7M50 C105, C108-C115, C118, C119 CGCYF104Z25 CONNECTORASSY DKP2208  C103, C104 CKCYB102K50	COILS				DKP2061
CONNECTORASSY DKP2064  CAPACITORS  C106, C107 CCCCH150J50 (CN243 - CN244) C120, C121 CCCCH270J50 CONNECTORASSY DKP2207 C116, C117 CEAS101M10 (CN207 - CN208) C102 CEAS4R7M50 C105, C108 - C115, C118, C119 CGCYF104Z25 CONNECTORASSY DKP2208 C103, C104 CKCYB102K50		F101	VTH1001	CONNECTORASSY	DKP2062
C106, C107 CCCCH150J50 (CN243 – CN244) C120, C121 CCCCH270J50 CONNECTORASSY DKP2207 C116, C117 CEAS101M10 (CN207 – CN208) C102 CEAS4R7M50 C105, C108 – C115, C118, C119 CGCYF104Z25 CONNECTORASSY DKP2208 C103, C104 CKCYB102K50	CAPA		V1H1005	CONNECTORASSY	DKP2064
C120, C121 CCCCH270J50 CONNECTORASSY DKP2207 C116, C117 CEAS101M10 (CN207-CN208) C102 CEAS4R7M50 C105, C108-C115, C118, C119 CGCYF104Z25 CONNECTORASSY DKP2208 C103, C104 CKCYB102K50	CALA		CCCCHIENTEN		DKP2075
C105, C108—C115, C118, C119		C120, C121 C116, C117	CCCCH270J50 CEAS101M10	CONNECTORASSY	DKP2207
C103, C104 CKCYB102K50					DKP2208
				,,	

Mark	No.	Description	Parts No.	Mark	No	).	Description	Parts No.
CNNB A	ASSY			COILS			•	
OTHERS					F4-	F6		DTF1013
C		115, CN212 119	B2B-PH-K-S B3B-PH-K-S B5B-EH B4B-PH-K-R	CAPA	C11 C12 C4, C		C8	VTH1001  CCSQCH220J50 CCSQCH101J50 CCSQCH150J50
FR3 AS	SSY				C10 C14			CCSQCH181J50 CEAS100M25
SEMICO	NDUCTO	RS			CI4			
I	D17-D48		1SS254		C15 C19			CEAS101M25 CEANP100M16
OTHERS	S CN603		DKP2141		C1- C18 C6, C			CEAS331M16 CEAS470M50 CEAS4R7M50
FR1 AS	SSY ONDUCTO	ors.					5, C140-C149, C207, C208	CEASR15M50 CKSQYB102K50 CKSQYF104Z25
	IC10		CXD1095Q		C9			CKSYF105Z16
]	IC44—IC47 IC18		HM62256ALFP-8T M5295L	RESIS	TORS VR1			DCP1023
	IC50 IC6, IC33,	IC35	PQ12RF11 TC74HC04AF		R102			RA4S103J RA8S103J RS1LMF151J
]	IC32, IC34 IC28 IC25, IC29	IC30	TC74HC08AF TC74HC160AF TC74HC161AF		Othe	r Resis	tors	RS1/10S
]	IC27 IC48, IC49		TC74HC164AF TC74HC165AF	OTHE	CN6		P CONNECTOR	B2B-PH-K-S DKP2141
	IC26 IC5 IC4, IC42,	IC43	TC74HC20AF TC74HC244AF TC74HC245AF TC74HC245AP		CN7	02 26 04 16	P CONNECTOR P CONNECTOR N RIVET	DKP2142 DKP2143 DEC-117
	IC17 IC31		TC74HC32AF	$\triangle$	L1	84P S	TUM BATTERY OCKET	DEM1002 DKH1001
	IC1-IC3 IC16 IC40, IC41 IC21-IC2		TC74HC541AF TC74HC541AP TC74HC573AF TC74HC74AF			8P IC BUZZ		DKH1004 DKH1005 DPX1007
	IC15		UPD70320L-8		X1,		6MHz) CKET	DSS1021 OKH1006 BBZ30P080FMC
	IC8 (XC30 Q1, Q6	072020GC-8-3B6) 42-70PC84C)	GGF 914 GGF 915 2SC2412K	FR2	٧ı	SCRE		
	Q2		2SD1614	SEMI	CONI	DUCTO	ORS	
	Q4 Q3 Q5 D3, D4 D2, D5		2SD669A DTA124EK DTC124EK 11ES2 1SS254		IC2 IC1 Q1	–Q5, Q –D5, D	9-Q14 9-D14	CXD1095Q TC74HC540AF DTC124EK 1SS221 SLH-56VC3H
	D1		MTZJ5.6B	SWIT	CHE	S		
SWITC	CH		VSC _019		S5 S14			DSG1031 DSG1032
	S1		VSC-012		S12 S1-		9-S11, S13	DSG1033 DSG1036

Mark No. Description	Parts No.	Mark No. Description	Parts No.
CAPACITORS		SCNB ASSY	
C1-C8	CCSQCH101J50	OTHERS	
C901, C902, C907, C908	CKSQYF104Z25	CN163	5597-08APB
RESISTORS		CN167	ВЗВ-РН-К
R903 (10k, 0.03W) R901	DCX1022 OCN1020	SENS ASSY	
Other Resistors	RS1/10S	SWITCHES	
OTHERS		S104-S109	DSG1015
CN602 34P CONNECTOR	DKP2141	5101 5100	2501010
		MCNB ASSY	
FR2S ASSY		CAPACITOR	
SEMICONDUCTORS		C105	CGCYF104Z25
Q6-Q8	DTC124EK		
D6-D8 D15, D16	1SS221 SLH-56VC3H	CASW ASSY	
SWITCHES		SWITCH	
S6-S8	DSG1037	S101	DSK1004
	D3G1037	OTHERS	
RESISTORS	704/4000007	CN164	5597-08APB
All Resistors	RS1/10S□□□J		
JOG ASSY		FGSB ASSY	
SEMICONDUCTOR		SEMICONDUCTOR	
IC101	GP1A30R	IC101	GP1A30R
CAPACITOR		CAPACITOR	
C101	CKSQYF104Z25	C104	CKPUYF223Z25
	CN5&11·104225	RESISTORS	
RESISTOR	W0444-04-1-	All Resistors	RD1/6PM□□□J
R101	RS1/10S121J		
FPCN ASSY		SVAW ASSY	
OTHERS		SEMICONDUCTORS	
CN238	B3B-PH-K-S	IC108	NJM2903M
CN701 CONNECTOR	DKP2140	IC201, IC202, IC206, IC207, IC209, IC210, IC301, IC303, IC307-IC310,	NJM4560M
SCREW NUT	PMZ26P100FMC NB26FMC	IC312, IC315, IC403	3113 ##00FT 4
		IC401 IC402	NJM7805FA NJM7905FA
ACCN ASSY		IC304	PM4001
COILS		IC102-IC104	TC4094BF
<b>⚠</b> L1, L2	DTH1140	IC107, IC313, IC314 IC101	TC74HC00AF TC74HC123AF
CAPACITORS		IC305	TC74HC221AF
△ C101−C103 (10000pF)	RCG-009	IC203, IC204, IC404	TC74HC4052AF
	1.00	IC208, IC302, IC306, IC311 IC105	TC74HC4053AF TC74HC541AF
OTHERS	CD FORM OOA	IC205	UPC812G2
△ CN2, CN5	SD - 5277 - 02A	Q101, Q301, Q302	DTC124EK

Mark	No. Description	Parts No.	Mark No. Description	Parts No.
	D401, D402	11ES2	R118	RS1/10S333J
	D201-D204, D306	1SS123	R207	RS1/10S334J
	D101, D103, D301-D305	1SS220	Radi	101/1000013
	D102	SEL3C10RLC05	R255, R261, R315, R361, R371, R382	RS1/10S470J
	D102	ODDOCIOICIOO	R103, R106 – R108	RS1/10S471J
CAPA	CITORS		R233 – R235, R240, R242, R243,	RS1/10S472J
CALA			R249—R252, R254, R256—R260,	1101/1001/-5
	C214	CCSQCH100J50	R322, R323, R334, R339, R341, R412	
	C107-C109	CCSQCH101J50	R101, R335	RS1/10S474J
	C209, C212, C213, C409	CCSQCH220J50	R394	RS1/10S514J
	C304	CCSQCH271J50		•
	C312	CEANP010M50	R321	RS1/10S564J
	<b>**</b>	CT 137D1003.50T	R312, R313, R389	RS1/10S623J
	C343	CEANP100M25	R359	RS1/10S823J
	C317	CEANPR22M50	R360	RS1/10S912J
	C356	CEANPR47M50	R401	RS2LMF220J
	C101, C352	CEAS010M50		
	C401-C406	CEAS470M25	Other Resistors	RS1/10S CF
	C342	CITATINE A 47 A TEO		
		CFTNA474J50 CFTXA104J50	OTHERS	
	C332	-	CN120	B3B-PH-K-S
	C302 C339, C344	CFTXA273J50 CFTXA563J50	20P IC SOCKET	DKH1004
	C102, C128	CFTXA683J50	20F IC SOCKET	DIXIII004
	C102, C128	CF 1 AA005 J50		
	C112-C114, C333	CFTXA823J50	SVAE ASSY	
	C309, C319	CKSQYB223K50	OVAL AGG1	
	C229	CKSQYB471K50	SEMICONDUCTORS	
	C353, C354	CKSQYB821K50	IC608	NJM2903M
	C103-C106, C110, C111,	CKSQYF104Z25	IC701, IC702, IC706, IC707,	NJM4560M
	C115-C117, C201-C208, C210,		IC709—IC711, IC801, IC803,	11/1/12/2000//2
	C211, C215 – C224, C305 – C308,		IC807—IC810, IC812, IC815, IC903	
	C310, C311, C316, C318, C322 – C325,		IC901	NJM7805FA
	C329, C330, C334—C337, C340, C341,		IC902	NJM7905FA
	C345-C351, C355, C407, C408,		2000	
	C410-C414		IC804	PM4001
			IC602-IC604	TC4094BF
	C314, C315	CQMA102J50	IC607, IC813, IC814	TC74HC00AF
	C303	CQMA112J50	IC601	TC74HC123AF
	C320	CQMA123J50	IC805	TC74HC221AF
	C331	CQMA272J50		
	C313	CQMA332J50	IC703, IC704, IC904	TC74HC4052AF
			IC708, IC802, IC806, IC811	TC74HC4053AF
	C326	CQMA392J50	IC605	TC74HC541AF
	C327	CQMA472J50	IC705	UPC812G2
	C301, C328	CQMA821J50	Q601, Q801, Q802	DTC124EK
RESIS	TORS		D901, D902	11ES2
	VR1-VR3, VR13	DCP1024	D701 – D704, D806	1SS123
	VR8-VR10	DCP1036	D601, D603, D801-D805	1SS220
	VR7, VR14	DCP1037	D602	SEL3C10RLC05
	VR4-VR6, VR16	DCP1038		
	VR11	DCP1039	CAPACITORS	
	•		C714	CCSQCH100J50
	VR12	DCP1042	C607-C609	CCSQCH101J50
	R1, R2	RA8T103J	C709, C712, C713, C909	CCSQCH220J50
	R117, R332, R336, R395, R396	RS1/10S102J	C804	CCSQCH271J50
	R102, R119, R201, R205, R211, R215,	RS1/10S105J	C812	CEANP010M50
	R358			
	R393	RS1/10S114J	C843	CEANP100M25
			C817	CEANPR22M50
	R392	RS1/10S162J	C856	CEANPR47M50
	R333	RS1/10S163J	C601, C852	CEAS010M50
	R320	RS1/10S225J	C901-C906	CEAS470M25

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	C842		CFTNA474J50		R901		RS2LMF220J
	C832		CFTXA104J50		Other Res	sistors	RS1/10S□□□F
	C802		CFTXA273J50				
	C839, C844		CFTXA563J50	OTHER	RS		
	C602, C628		CFTXA683J50		CN110		B3B-PH-K-S
						OP IC SOCKET	DKH1004
	C612-C614	, C833	CFTXA823J50		4	or ie soeker	,
	C809, C819		CKSQYB223K50				
	C729		CKSQYB471K50	HE_V	V ASSY		
	C853, C854		CKSQYB821K50	112 0	Y ASSI		
	C603-C606	, C610, C615-C617,	CKSQYF104Z25	SEMIC	ONDUCT	ORS	
		, C710, C711,			IC2		LM6361M
		, C731, C732,			IC3		NJM2060M
	C805-C808	, C810, C811, C816, C818,			IC4		NJM78L05UA
	C822-C825	, C829, C830,			IC5		NJM79L05UA
		, C840, C841,			IC1		TL592BP
	C845-C851	, C855, C907, C908,			ICI		1133211
	C910-C914				Q10		2SA1462
							2SC3356
	C814, C815		CQMA102J50		Q7		2SC3663
	C803		CQMA112J50		Q1-Q6		2SC3735
	C820		CQMA123J50		Q9		1SS123
	C831		CQMA272J50		D3, D4		155125
	C813		CQMA332J50		D1 D0		100000
					D1, D2		1SS220
	C826		CQMA392J50		D5, D6		HSM107S
	C827		CQMA472J50				
	C801, C828		CQMA821J50	COILS			
	,				L3-L6	(10UH)	DTH1124
RESIS	TORS				L1		OTL1008
		FOO TIDE10	DCD1004		L2		OTL1022
	VR501-VR		DCP1024		L7, L8 (	10MH)	VTL1007
	VR508-VR		DCP1036			,	
	VR507, VR5		DCP1037	CAPA	CITORS		
	VR504-VR	506, VK516	DCP1038			0.4	CCCOCTTACTION
	VR511		DCP1039		C201-C2		CCSQCH151J50
	TIDETO		DCD1040		C207-C2		CCSQCH180J50
	VR512		DCP1042		C116, C1	17, C124	CCSQCH221J50
	R501, R502	Door Door Door	RA8T103J		C113	0. C100	CKSQYB222K50
		R836, R895, R896	RS1/10S102J		C105, C1	06, C123	CKSQYB682K50
		R701, R705, R711, R715,	RS1/10S105J		0105 01	10 0111 0115 0110 0100	CIZCOVE10470E
	R858		D01/1001/00T			10, C114, C115, C118, C120,	CKSQYF104Z25
	R892		RS1/10S162J		C205, C2	06	OTZCOTTENONZEN
	7000		DO1 (1001 001		C122		CKSQYF223Z50
	R833		RS1/10S163J			.03, C301—C308	DCH1043
	R893		RS1/10S114J		C119, C1	21	DCH1044
	R767, R768		RS1/10S222J		C104		DCH1046
	R820		RS1/10S225J				
	R618		RS1/10S333J	RESIS'	TORS		
					VR1		DCP1045
	R707		RS1/10S334J		VR2		DCP1046
	, , ,	R815, R861, R871, R882	RS1/10S470J		R120		RS1/10S101J
	R603, R606		RS1/10S471J			22, R201-R204	RS1/10S102J
		R740, R742, R743,	RS1/10S472J		R124, R1		RS1/10S220J
		2, R754, R756—R760,	•		10124, 101	50	202720220
	R822, R823,	R834, C839, R841, R912			R117		RS1/10S330J
					R114		RS1/10S332J
	R601, R835		RS1/10S474J		R126		RS1/10S620J
	R894		RS1/10S514J		R128		RS1/10S620J
	R821		RS1/10S564J		Other Re	rictors	RS1/103080J
	R812, R813,	, R889	RS1/10S623J		omer ke	0101019	
	R814		RS1/10S822J	OTHE	25		
				OTHE			
	R859		RS1/10S823J		CN159		5597-11CPB
	R860		RS1/10S912J		CN116		B2B-PH-K-S

NE	IC413 IC415  IC421 IC411 IC416, IC417 IC420 IC422  IC419, IC423 IC418 Q403, Q404 Q401, Q402 Q405—Q412  Q413, Q414 Q415—Q417 Q420 Q419 Q418  D401—D403  CAPACITORS  C421, C450 C448 C442 C416, C433 C401—C407, C409, C410, C412, C414, C415, C417—C420, C422—C432, C434, C435, C438, C439, C441, C443, C444, C446, C447  C408, C413	NJM4250M NJM4560M TC74AC541F TC74HC4053AF TC74HC4066AF TC74HC86AF TC7S00F TC7S08F UPC812G2 2SA1424 2SA1462 2SA1464 2SA812 2SC1623 2SK508 DTA124EK DTC124EK 1SS220 CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50 CKSQYF104Z25
IC52	IC421 IC411 IC416, IC417 IC420 IC422  IC419, IC423 IC418 Q403, Q404 Q401, Q402 Q405-Q412  Q413, Q414 Q415-Q417 Q420 Q419 Q418  D401-D403  CAPACITORS  C421, C450 C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	TC74AC541F TC74HC4053AF TC74HC4066AF TC74HC86AF TC7500F  TC7S08F UPC812G2 2SA1424 2SA1462 2SA1464 2SA812 2SC1623 2SK508 DTA124EK DTC124EK 1SS220  CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
IC53	IC411 IC416, IC417 IC420 IC422  IC419, IC423 IC418 Q403, Q404 Q401, Q402 Q405—Q412  Q413, Q414 Q415—Q417 Q420 Q419 Q418  D401—D403  CAPACITORS  C421, C450 C448 C442 C416, C433 C401—C407, C409, C410, C412, C414, C415, C417—C420, C422—C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	TC74HC4053AF TC74HC4066AF TC74HC86AF TC7500F  TC7S08F UPC812G2 2SA1424 2SA1462 2SA1464  2SA812 2SC1623 2SK508 DTA124EK DTC124EK 1SS220  CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
Q60	IC419, IC423 IC418 Q403, Q404 Q401, Q402 Q405-Q412  Q413, Q414 Q415-Q417 Q420 Q419 Q418  D401-D403  CAPACITORS  C421, C450 C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	TC7S08F UPC812G2 2SA1424 2SA1462 2SA1464  2SA812 2SC1623 2SK508 DTA124EK DTC124EK  1SS220  CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
Q57 Q51—Q56 Q59 Q59 Q57 Q51, D52 D53, D54 Q55 D55, D56 Q59 Q55 Q59 Q5735 D53, D54 Q51 Q52 Q55 Q55 Q55 Q56 Q57 Q57 Q57 Q57 Q57 Q58 Q58 Q59 Q58 Q59 Q58 Q59 Q58 Q59 Q59 Q58 Q59 Q59 Q58 Q59 Q58 Q59 Q58 Q59 Q58 Q59 Q58	IC418 Q403, Q404 Q401, Q402 Q405-Q412  Q413, Q414 Q415-Q417 Q420 Q419 Q418  D401-D403  CAPACITORS  C421, C450 C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	UPC812G2 2SA1424 2SA1462 2SA1464  2SA812 2SC1623 2SK508 DTA124EK DTC124EK  1SS220  CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
D55, D56 HSM107S  COILS  L53-L56 (10UH) DTH1124 L51 OTL1008 L52 OTL1022 L57, L58 (10MH) VTL1007  CAPACITORS  C251-C254 CCSQCH151J50 C257-C260 CCSQCH180J50 C166, C167, C174 CCSQCH221J50 C163 CKSQYB222K50 C155, C156, C173 CKSQYB682K50  C157-C160, C164, C165, C168, C170, CKSQYF104Z25 C255, C256 C172 CKSQYF223Z50 C151-C153, C351-C358 DCH1043 C169, C171 DCH1044 C154 DCH1046  RESISTORS  VR51 DCP1045 VR52 DCP1046 R170 RS1/10S101J R171, R172, R251-R254 RS1/10S102J	Q415-Q417 Q420 Q419 Q418 D401-D403 CAPACITORS C421, C450 C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	2SC1623 2SK508 DTA124EK DTC124EK 1SS220 CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
L53-L56 (10UH) DTH1124 L51 OTL1008 L52 OTL1022 L57, L58 (10MH) VTL1007  CAPACITORS  C251-C254 CCSQCH151J50 C257-C260 CCSQCH180J50 C166, C167, C174 CCSQCH221J50 C163 CKSQYB222K50 C155, C156, C173 CKSQYB222K50 C157-C160, C164, C165, C168, C170, CKSQYF104Z25 C255, C256 C172 CKSQYF223Z50 C151-C153, C351-C358 DCH1043 C169, C171 DCH1044 C154 DCH1046  RESISTORS  VR51 DCP1045 VR52 DCP1046 R170 RS1/10S101J R171, R172, R251-R254 RS1/10S102J	Q418 D401-D403  CAPACITORS  C421, C450 C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	DTC124EK  1SS220  CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
L52 L57, L58 (10MH) VTL1007  CAPACITORS  C251—C254 C257—C260 C166, C167, C174 CCSQCH180J50 C163 C155, C156, C173 CKSQYB222K50 C155, C156, C173 CKSQYB682K50  C157—C160, C164, C165, C168, C170, CKSQYF104Z25 C255, C256 C172 C151—C153, C351—C358 C154 C154 CKSQYB682K50  CKSQYF223Z50 CH0444 C154 CCH0446 CCSQCH221J50 CKSQYB682K50  CKSQYB682K50  CKSQYF104Z25 CKSQYF223Z50 CKSQYF104Z25 CKSQYF223Z50 CKSQYF104Z25 CKSQYF223Z50 CH1043 CH1044 CH1046  RESISTORS  VR51 VR52 CH1045 VR52 CCP1046 RS1/10S101J R171, R172, R251—R254 RS1/10S102J	CAPACITORS  C421, C450 C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
CAPACITORS  C251-C254	C421, C450 C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
C251—C254 C257—C260 C257—C260 C166, C167, C174 C163 C155, C156, C173 CKSQYB222K50 C157—C160, C164, C165, C168, C170, CKSQYF104Z25 C255, C256 C172 C151—C153, C351—C358 C169, C171 C154 C154 CKSQYB682K50  CP1046 CKSQYF104Z25 CKSQ	C448 C442 C416, C433 C401-C407, C409, C410, C412, C414, C415, C417-C420, C422-C432, C434, C435, C438, C439, C441, C443, C444, C446, C447	CCSQCH680J50 CKSQYB102K50 CKSQYB103K50
C172 CKSQYF223Z50 C151-C153, C351-C358 DCH1043 C169, C171 DCH1044 C154 DCH1046  RESISTORS  VR51 DCP1045 VR52 DCP1046 R170 RS1/10S101J R171, R172, R251-R254 RS1/10S102J	C408 C413	
VR51 DCP1045 VR52 DCP1046 R170 RS1/10S101J R171, R172, R251—R254 RS1/10S102J	C436 C440, C601 – C604 C445	DCG1010 DCH1044 DCH1044 DCH1045
VR51 DCP1045 VR52 DCP1046 R170 RS1/10S101J R171, R172, R251—R254 RS1/10S102J	RESISTORS	
R167 RS1/10S330J R164 RS1/10S332J R176 RS1/10S620J	VR402, VR403, VR405 VR404, VR406 VR401 R413, R417, R418, R477, R481—R486 R402, R414, R426, R437 R427 R430, R435 R441 R404	RS1/10S121F RS1/10S124F RS1/10S153F RS1/10S202F
R178 RS1/10S680J Other Resistors RS1/10S F	R403	RS1/10S222F RS1/10S301F
OTHERS  CN157 5597—11CPB	R438 R429 R460	RS1/10S302F RS1/10S303F RS1/10S331F
CN114 B2B-PH-K-S	R443 R428	RS1/10S511F RS1/10S623F
APC1W ASSY	R431	RS1/10S752F
SEMICONDUCTORS	R410 Other Resistors	RS1/10S753F RS1/10S□□□J
IC412 LF398N IC410 LM6364M IC414 NJM082M	OTHERS CN161	5597-06APB DKN1047

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
APC2	APC2W ASSY			C508, C513 DCG1010 C536, C540, C701 – C704 DCH1044			DCG1010 DCH1044
SEMIC	CONDUCTOR	RS .			C545	0, 0701-0704	DCH1044 DCH1045
	IC609 IC605 IC604 IC601, IC606 IC607, IC606 IC602, IC603	3	RWT025L-2 TC74HC00AF TC74HC02AF TC74HC04AF TC74HC10AF TC74HC541AF		VR502-V VR506 VR501	R504 7, R518, R577, R581—R586	DCP1049 DCP1050 DCP1051 RS1/10S103F
0011.0					R502, R51		RS1/10S121F
COILS	L601-L604	(2.2UH)	DTH1138		R527 R530		RS1/10S124F RS1/10S153F
CAPA	CITORS				R504		RS1/10S222F
·	C648-C656 C657 C658	, C659	CKSQYF104Z25 DCH1043 DCH1044		R503 R529 R560		RS1/10S301F RS1/10S303F RS1/10S331F
					R543		RS1/10S511F
RESIS'	TORS R601, R602 Other Resist	ors	RA8T103J RS1/10S□□□J		R528 R531 R510		RS1/10S623F RS1/10S752F RS1/10S753F
OTHE	35				Other Resi	stors	RS1/10S
OTTIE	CN601, CN6	02 10P CONNECTOR	DKN1048	OTHER	ıs		
					CN155		5597 - 06APB
APC1	E ASSY				CN511, CN	N512 10P CONNECTOR	DKN1047
SEMIC	CONDUCTOR	RS					
	IC512 IC510 IC514 IC513 IC515		LF398N LM6364M NJM082M NJM4250M NJM4560M	SEMIC	E ASSY ONDUCTO IC805 IC804 IC802, IC8		TC74HC00AF TC74HC02AF TC74HC541AF
	IC521 IC511 IC516, IC517 IC520 IC522		TC74AC541F TC74HC4053AF TC74HC4066AF TC74HC86AF TC7S00F		L801-L80	04 (2.2UH)	DTH1138
	IC519, IC523 IC518 Q505-Q512 Q513, Q514		TC7S08F UPC812G2 2SA1464 2SA812	RESIST	C848 – C85 C858	50, C859	CKSQYF104Z25 DCH1044
	Q515, Q517 Q520		2SC1623 2SK508		R801, R80 R907, R90	2 (10k, 0.1W) 8	RA8T103J RS1/10S472J
-	Q519 Q518 D501-D503		DTA124EK DTC124EK 1SS220	OTHER		N802 10P CONNECTOR	DKN1048
CAPA	CITORS						
/	C521, C550 C548 C542 C516 C501-C507 C515, C517- C528-C531	, C509, C510, C512, C514, -C520, C522-C526, , C534, C535, C538, C539, C544, C546, C547	CCSQCH220J50 CCSQCH680J50 CKSQYB102K50 CKSQYB103K50 CKSQYF104Z25		/ ASSY ONDUCT IC103 IC101, IC1 IC301, IC3 IC306 IC303	102	NJM2068D NJM4556D NJM7805FA NJM78L05A NJM7905FA

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	IC202,	IC304	RC78L09A		R201, I	R202	RS2LMFR47J
	IC203,		RC79L09A			Resistors	$RD1/6PM \square \square \square J$
	IC403		TA8413P				
	IC307		TC74HC08AP	OTHE	RS		
	IC308		TC74HC14AP	0 1112			
	10300		10/411014111		CN153		5597-08CPB
	T0001		UPC339C			BLACK 05A (WIRE)	ZWNH1007G26-0-05A
	IC201	2007 0001 0000 0101 0100				HEAT SINK DRV A	DNG1035
		Q201, Q301, Q303, Q401—Q403	2SA933S				
	Q112-		2SB942				
		Q203, Q204, Q304, Q305	2SC1740S	DRVE	ASSY		
	Q101-	Q106, Q302	2SC3327	Ditt	700.		
				SEMIC	CONDUC	CTORS	
	Q109-	Q111, Q306	2SD1267		IC603		NJM2068D
	Q202		2SK372		IC601,	TC609	NJM4556D
	Q307, Q	Q308	DTC114YS				NJM7805FA
	Q404	-	SLA4020		IC801,	1C802	
	Q405		SLA4030		IC806		NJM78L05A
	QIOO				IC803		NJM7905FA
	D103-	D108, D201, D202, D301, D302	11ES2				
		D102, D203—D206, D211,	1SS254		IC702,		RC78L09A
		D304, D306—D308	100201		IC703,	IC805	RC79L09A
			MTZJ4.7A		IC807		TC74HC08AP
	D207-	D210	•		IC808		TC74HC14AP
	D305		MTZJ6.8C		IC701		UPC339C
			3.777770.00				
	D109, I		MTZJ8.2C		Q608, Q	Q701, Q801, Q803	2SA933S
	D213, I	D214, D309-D314	RB100A		Q612-		2SB942
						Q703, Q704, Q804, Q805	2SC1740S
RELA	Υ					Q606, Q802	2SC3327
	RY201		DSR1002			Q611, Q806	2SD1267
	K1201		DSR1002		Q003	Q011, Q000	2021201
COILS	3				Q702		2SK372
COIL					Q807, 0	0808	DTC114YS
	L301, I	L302 (47UH)	DTH1134			608, D701, D702, D801, D802	11ES2
						D602, D703-D706, D711,	1SS254
CAPA	CITORS	5				D804, D806-D808	100201
	C10F (	C106, C111-C114, C119, C120	CCCCH220J50		D712, 1		MTZJ4.7A
		•	CCCSL101J50		Divi	D/10	141123 11111
	C131-				DOOF		MTZJ6.8C
	C407, (		CCCSL470J50		D805	Date	
		C401-C403	CEANP330M50		D609, 1		MTZJ8.2C
	C207, 0	C208, C214, C215, C322	CEAS010M50	D713		D714, D809 – D814	RB100A
	C002 (	C203, C204, C311, C312, C316, C317, CEAS101M25		RELA'	·		
		C204, C311, C312, C316, C317,	CEASIUIMES	NELA	Ť		
	C406	2000	CEACOOTA (OF		RY701		DSR1002
	C201, (		CEAS331M25				
		C110, C115, C118, C121, C124	CEAS470M25	COILS	3		
		C304, C306	CEHAQ470M25	00120			TO (TOTAL 4 O. 4
	C210-	C213	CEJA220M16		L801, I	L802 (47UH)	DTH1134
	0104		CETANDAD7M16	0454	OLTOD		
	C134	0411	CEJANP4R7M16	CAPA	CITORS		
	C409-	C411	CEJANPR47M50		C605,	C606, C611 – C614, C619, C620	CCCCH220J50
	C102		CFTNA105J50		C631-		CCCSL101J50
	C101		CFTXA223J50		C716		CEANP330M50
		C109, C116, C117, C122, C123,	CGCYF104Z25			C708, C714, C715, C822	CEAS010M50
	C307-	C310, C313—C315, C404, C405			0101,	2,100, 0,11, 0,10, 0022	
					C703	C704, C811, C812, C816, C817	CEAS101M25
	C125-	-C130, C205, C206, C318-C321	CKPUYF223Z25	:	C701,		CEAS331M25
	C103,	C104	CQMA821J50			C610, C615, C618, C621, C624	CEAS470M25
						-C804, C806	CEHAQ470M25
RESI	STORS				0001	5503, 5000	
	R144		RS1LMF1R8J		C710-	-C713	CEJA220M16
	R141		RS1LMF8R2J		C634		CEJANP4R7M16
	R138		RS2LMF010J		C602		CFTNA105J50
	R314		RS2LMF180J		2002		
			RS2LMF820J				
	R225		VOTPINIL OTAL				

Mark	No.	Description	Parts No.
		509, C616, C617, C622, C623, C810, C813—C815	CFTXA223J50 CGCYF104Z25
	C625-C	2630, C705, C706, C818 – C821 604	CKPUYF223Z25 CQMA821J50
RESIST	rors		
	R644 R641 R638 R814 R725		RS1LMF1R8J RS1LMF8R2J RS2LMF010J RS2LMF180J RS2LMF820J
	R701, R'Other Re		RS2LMFR47J RD1/6PM□□□J
OTHER	RS		
		BLACK 05A (WIRE) HEAT SINK DRV A	5597 — 08CPB ZWNH1007G26 — 0 — 05A DNG1035
LD-C	SC AS	SY	:
SEMIC	ONDUC	TORS	
	Q1, Q2		2SC3356
COILS			
	L1 (331 L2, L3	NH)	DTH1143 OTL1011
CAPA	CITORS		
	C4 C3 C6 C5 C7-C11	L .	CCSQCH020D50 CCSQCH100D50 CCSQCH150J50 CCSQCH391J50 CKSQYB682K50
RESIS"	rors		
	VR1 Other Re	esistors	DCP1045 RS1/10S
PSY A	ASSY		
PSY A	ssy has n	o service part.	
PU M	ECHAN	IISM ASSY	
CAPA	CITORS		
	C101 (W C102 (W C201 (E C202 (E	V − C2) - − C1)	CCSQCH120J50 CCSQCH470J50 CCSQCH300J50 CCSQCH101J50

### 6. SERVICE MODE

## 6.1 HOW TO ENTER SERVICE MODE

- 1. Select CONFIG screen.
- 2. Select F3[DISPLAY].

Press F9[TEST] and SHUTTLE key simultaneously to activate Service mode OSD from Composite out 3.

To see LOG TIME and ROM Version, select Fl[MESSAGE] from CONFIG screen.

## 6.2 DIFFERENCE BETWEEN VDR-V1000 AND 1000A IN SERVICE ASSEMBLY

ASSY Name	VDR-V1000	VDR-V1000A	Compatibility of 1000A with 1000
VENC	DWX1259	DWX1427	Upper compatible
ADDC	1261	1428	Upper compatible
MPU	1254	1339	Upper compatible
ADEM	1256	1340	Upper compatible
SPDL	1260	1344	Upper compatible
VAR2	1264	1347	Not interchangeable
AMOD	1255	1348	Upper compatible
VAPB	1257	1367	Not interchangeable
VDEC	1258	1368	Not interchangeable
VAR1	1263	1369	Upper compatible
CONTROL UNIT-S	DXX1764	DXX2137	Not interchangeable due to FR1 board
SERVO MECHA	DXX1766	DXX2151	Upper compatible

VAR2, VAPB and VDEC are not interchangeable with olds. If one of video boards is replaced, video characteristics may be changed. DXX2151 AND 1766 are interchangeable.

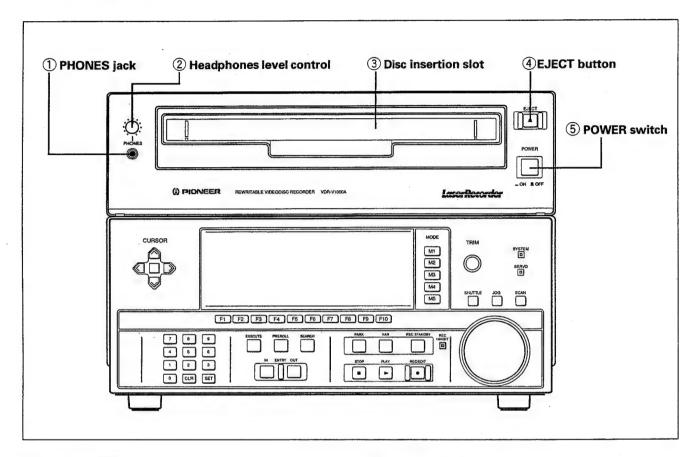
As IC9/11/12/15 are changed in new FR1, CONTROL UNLT-S is not interchangeable.

The following DYW----s are changed.

IC No.	100/1000	100A/1000A
MPU EPROM	DYW1203	DYW1306
	1204	1307
	1205	1308
422IF EPROM	DYW1131	DYW1309
FR1 EPROM	DYW1142 (ICI3)	DYW1310 (ICI4)
	1143 (1014)	
VDEC IC37	DYW1153	DYW1311
FR1 IC11	DYW1140	DYW1240
IC12	1141	1241
IC9	1139	1242

Operating instructions and carton box are changed in VDR-V1000A.

## 7. PANEL FACILITIES



#### 1 PHONES jack

When stereo headphones are plugged in, the same audio as the monitor output can be monitored through the headphones. The audio level of the headphones is adjusted with the level control above the jack. The audio level is also interlocked with the level adjusted in the A IN OUT MODE.

#### 2 Headphones level control

Turn to adjust the audio level of the headphones.

#### 3 Disc insertion slot

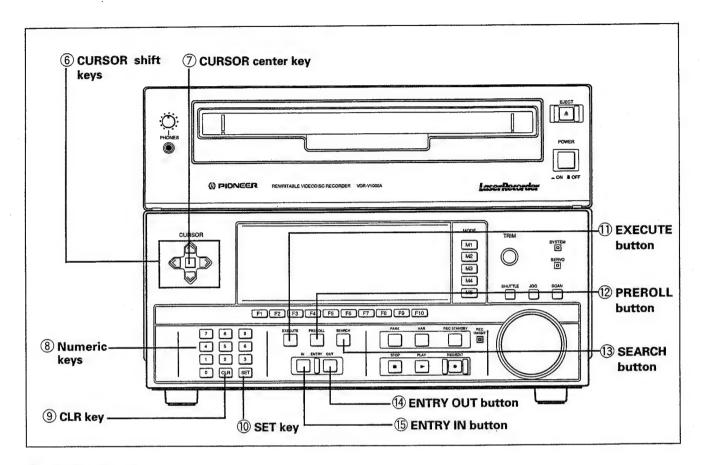
When a disc is partially inserted into the slot, it is automatically drawn into the unit. The door is locked while a disc is inserted inside. Do not force the door to open, or it will be damaged.

#### 4 EJECT button

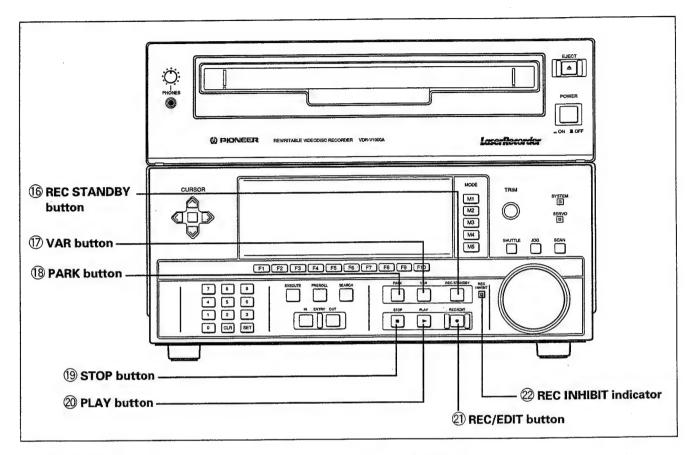
Press the eject the disc. This button is illuminated when no disc is present inside the slot. This button is enabled in any operation mode. If the button is pressed while the disc is rotating, ejection will take about 10 seconds because the disc should be stopped before being ejected.

### **5** POWER switch

Press in to turn the power ON. Press again to turn it OFF. When the power is turned ON, the self-illuminating switches light in sequence, then a screen appears on the EL display.



- 6 CURSOR shift keys
- **⑦** CURSOR center key
- 8 Numeric keys
- 9 CLR key
- 10 SET key
- **11** EXECUTE button
- 12 PREROLL button
- (13) SEARCH button
- (4) ENTRY OUT button
- **(5)** ENTRY IN button



#### 16 REC STANDBY button

Press to initiate the record-standby mode. If the input has been selected by F4 (REC REF) in the V IN OUT MODE, pressing this button changes the output to the EE mode and changes the disc rotation synchronization phase from the reference signal input through the EXT REF connector (or built-in sync generator in case this input is not present) to the recording video signal input through the VIDEO INPUT connectors. If SYNCHRO has been selected, pressing this button changes the output to the EE mode, but the synchronization phase is provided by the synchronizer function of the video processors on time is required for disc rotation synchronization.

#### (17) VAR button

Press this button to initiate the variable-speed playback mode in a speed range of -1x to +3x of the normal playback speed. If the playback speed has previously been set with the SEARCH dial, playback starts at the preset speed.

#### 18 PARK button

Press to stop the disc rotation. To prevent operation mistakes, this button is enabled only when a still, paused image is being displayed (with the STOP button lighted).

This button can be disabled by setting the F4 (PARK) and F5 (LD START) keys in the FUNC MODE to **DISABLE** or **AUTO** 

#### (19) STOP button

During playback or recording, press to stop the execution of a function other than playback or recording. Pressing the button during playback changes the video to a still image. Pressing the button during recording in INPUT mode puts the unit in record standby mode and switches the output to EE mode. Pressing the button again switches the output to the still image of the playback video. Pressing the button yet again releases the record standby mode.

#### 20 PLAY button

Press to start normal playback.

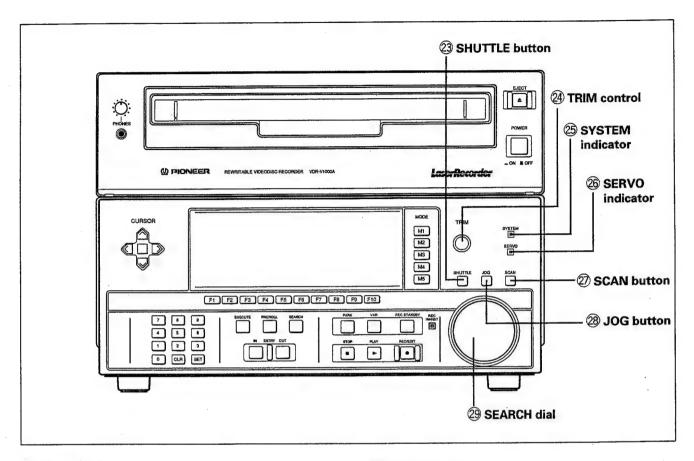
#### 21) REC/EDIT button

**Recording:** To start recording, press the PLAY button while holding this button pressed.

**Editing:** When editing in the EDIT mode, press this button after having set the IN point to start editing.

#### 22 REC INHIBIT indicator

This indicator lights when the inserted disc has been set to record inhibit mode.



#### 23 SHUTTLE button

Press to initiate the shuttle mode. When this button is pressed, the video changes to a still image, and the still image transition speed can be adjusted with the SEARCH diel

The maximum speed can be set with the F3 (SHTL MAX) key in the FUNC MODE.

#### 24 TRIM control

Reffer to the section 1-3 "LIST OF KEY AND BUTTON CONTENTS IN DIFFERENT MODES"

#### 25 SYSTEM indicator

This indicator flashes to warn that the unit is operating abnormally. When the MESSAGE MODE is entered while this indicator is flashing, the EL display shows an error message and the detailed contents of the error is displayed in VIDEO 3 output.

#### 26 SERVO indicator

This indicator lights when the disc rotation starts or stops, or during rotation synchronization pull-in operation.

#### ② SCAN button

Press to initiate the scan mode. Scan mode allows you to search for a desired image at high speed by turning the SEARCH dial.

A still image is displayed when the SEARCH dial is not being turned.

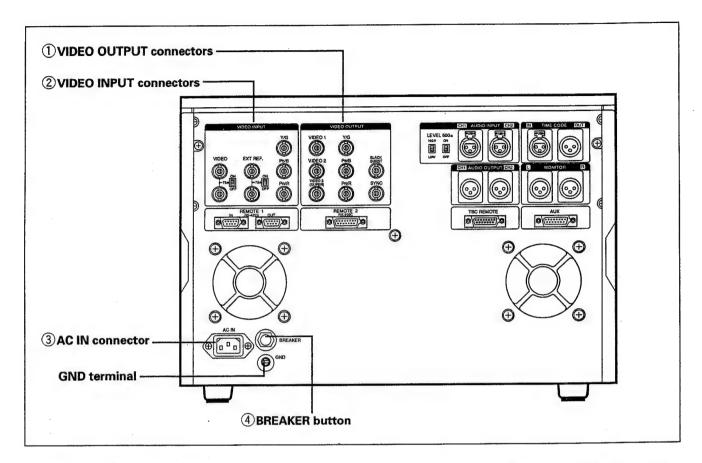
#### 28 JOG button

Press to initiate the jog mode. Jog mode allows you to advance or search frame by frame by turning the SEARCH dial.

A still image is displayed when the SEARCH dial is not being turned.

#### 29 SEARCH dial

Turn to play the video images in jog, shuttle, scan or variable-speed playback mode while varying the playback speed and direction at the same time. Turn the dial clockwise to play or move in the forward direction, and turn it counterclockwise to play or move in the reverse direction.



# 1 VIDEO OUTPUT connectors VIDEO 1, 2 and 3 output connectors (BNC)

These connectors output composite video signals. Connect them to the video input connectors of a video recorder or monitor. With the VIDEO 3 signal, you can superimpose data such as the frame number and time number on the picture.

# Y/G, P<sub>B</sub>/B and P<sub>R</sub>/R (component video) output connectors (BNC)

The outputs from these connectors are switchable between the Y,  $P_B$  and  $P_R$  signals and the analog GBR signals.

#### **BLACK BURST output connector (BNC)**

This outputs the signal from the built-in black burst generator.

#### **SYNC** output connector (BNC)

This outputs the composite sync signal from the built-in sync generator.

#### 2 VIDEO INPUT connectors

# VIDEO input connectors (BNC) with 75-ohm termination switch

These connectors accept a composite video signal input. One of the two connectors can be used as through output for bridged connection to other equipment. In this case, set the 75-ohm termination switch to OFF.

# EXT REF. input connectors (BNC) with 75-ohm termination switch

These connectors accept external reference video or composite sync signal input.

One of the two connectors can be used as a through output for bridged connection to other equipment. In this case, set the 75-ohm termination switch to OFF.

# Y/G, $P_B/B$ and $P_R/R$ (component video) input connectors (BNC)

Input terminals for the Y, PB and PR signals or the analog GBR signals.

#### (3) AC IN connector

This is the input connector of AC mains power.

#### 4 BREAKER button

Circuit breaker for the power supply primary circuit.

#### In case the circuit breaker is turned OFF

The BREAKER button comes out and the primary side of the power supply is turned OFF. Press the POWER switch to OFF and consult your nearest after-sale service agent.

# 8. SPECIFICATIONS

_			-	
		_		
		œ		

Video system

Recording/playback system Light source Optical head configuration Recording medium Recording time  Disc rotation speed Access time Editing accuracy Power supply Power consumption Dimensions	Laser diode  2 separate heads  30 cm disc cartridge  Motion pictures: 32 minutes  Still pictures: 57600 frames  Frame frequency (1800 rpm) - CAV  Average 0.3 second  0 frame  120 V AC, 50/60 Hz
	1/-3/16 x 12-5/8 x 2/-5/16 in (VXAXD)
Weight	42 kg (92 lb 10 oz)
Operating temperature	+5 to +35°C (+41 to +95°F)
Storage temperature	-20 to +60°C (-4 to +140°F)
Storage humidity	20 to 80%
Recording formatTime-com	pression integrated analog components (Compression ratios: Y=1.2, PB,PR=7.2)
	(Compression ratios: f=1.2, FB,FR=7.2)
Luminance bandwidth	4.1 IVITIZ _6 UD
S/N (frame number : 20000)	47 (D /
Luminance	
	44 dB (composite)
Chroma AM	48 dB
Chroma PM	50 dB
DG	3 DEC
DP	20/ /2T pulcol
K factor	±50 noo
YC delay	
Input video level (VIDEO input only)	±3 dB
Variation range	±6 dB
Output variation ranges	±3 dB
Chroma lovel	±3 dB
Setup level	.±15 IRE (however, dark clip is –10 IRE)
Hija	±15° (VIDEO output only)
System SC phase	360 DEG (VIDEO output only)
System sync phase	+3 to -1 μsec
YC delay	±100 nsec
, 5 353,	
Recording format	Time-compression integrated PCM
Number of channels	2
Bandwidth	15 kHz
Dynamic range	85 dB
Headroom	20 dB
C	-65 dB

### Input/Output Signals

#### Video inputs

		The state of the s	
<connector Name&gt;</connector 	<signal name=""></signal>	<level></level>	75-ohm ON/OFF 75-ohm ON/OFF 75-ohm ON/OFF
VIDEO	Composite video	1 Vp-p	
EXT REF*	VIDEO         Composite video         1 Vp-p         75-ohm ON/OFF           T REF*         Video         1 Vp-p         75-ohm ON/OFF           Composite sync         4 Vp-p         75-ohm ON/OFF           Y*         Component luminance         1 Vp-p negative sync         75-ohm		
	Composite sync	4 Vp-p	
Y*		1 Vp-p negative sync	75-ohm
P <sub>B</sub> , P <sub>R</sub> *		0.7 Vp-p	75-ohm
G, B, R*	Analog GBR	0.7 Vp-p	75-ohm

#### Video outputs

#### riputs

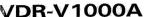
### Audio

VIDEO 1, 2	Composite video	1 Vp-p	75-ohm
VIDEO 3	Composite video (superimposition possible)	1 Vp-p	75-ohm
Y*	Component Iuminance	1 Vp-p negative sync	75-ohm
PB, PR*	Component color differences	0.7 Vp-p	75-ohm
G, B, R*	Analog GBR	0.7 Vp-p	75-ohm
BLACK BURST	Black burst	0.286 Vp-p (both B, S)	75-ohm
SYNC	Composite sync	4 Vp-p	75-ohm

INPUT CH1, 2	Audio input	+4/–20 dBm switchable	600-ohm/high- impedance switchable
OUTPUT CH 1, 2	Audio output	+4 dBm (nominal), variable	Low-impedance
MONITOR L, R	Monitor output (CH1/CH2 switchable)	. +4 dBm (nominal), variable	Low-impedance
PHONES	Headphones output	Variable with PHONES control	

#### \* NOTE:

The EXT REF input and input/output signals are switchable between Y/Ps/PR and G/B/R on the control panel.



# Time code (valid only when optional board is installed)

TIME CODE IN	SMPTE input	1.0 ~ 5.0 V p-p	10 k ohm
TIME CODE OUT	SMPTE output	2.4 Vp-p	Low impedance

#### **Remote connectors**

REMOTE 1	RS-422A interface	Input/output in compliance with 9-pin serial interface
REMOTE 2	RS-232C interface	Compatible with LD-V8000 serial interface
TBC REMOTE	TBC remote control	In compliance with BVW series
AUX	Reserved for future system expansion	

#### Supplied accessories

Operating Instructions x 1 Power cord x 1 RS-422A cable x 1 RS-232C connector (15P) x 1

#### **Optional accessories**

- 1. Time code board (VDA-V004)
- 2. Rack mount kit (VDA-V001)

#### NOTE:

Specifications and design subject to possible modification without notice, due to improvements.

### Information on Servo mechanism Assembly

#### 1. DXX2151

From VDR-V1000A, DXX2151 is used in place of DXX1766, however, DXX2151 is compatible with DXX1766.

#### 2. CN991(9p conector) on MPU

In VDR-V1000A, after replacing the Servo mecha Assy with DXX2151 or 1766, make sure that additional shorting connector is not inserted in CN991 on MPU. CN991 is located in the front side and center position of MPU board. If the shorting connector is inserted, remove it.

## Compatibility of VDR-V1000A Slot-in board assy

The following PCB assemblies are upper-compatible with VDR-V1000 and can be used in VDR-V1000.

ADDC(DWX1428)/MPU(DWX1339)/ADEM(DWX1340)/SPDL(DWX1344) AMOD(DWX1348)

#### ROM Version No. of VDR-V1000A

PC	:	1.86	or	greater	
CC	:	1.86			
EX	:	1.87			
IF	:	1.86			
FP	:	1.87			